

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062223\  
 Data File : VW026300.D  
 Acq On : 22 Jun 2023 15:26  
 Operator : SY/MD  
 Sample : 03383-02MS  
 Misc : 5.47g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 YBW52MS

Quant Time: Jun 23 01:04:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 23 01:02:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 714943   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 613891   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 256663   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.362  | 65    | 173012   | 17.202   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 68.800%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 167803   | 22.287   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.160%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 89900    | 18.127   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 72.520%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 171886   | 58.701   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 117.400% |
| 24) Chloroform-d              | 7.648  | 84    | 461346   | 22.036   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 88.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.306  | 65    | 251146   | 21.938   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 87.760%  |
| 32) Benzene-d6                | 8.276  | 84    | 845775   | 20.475   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 81.880%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 289531   | 22.124   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 88.480%  |
| 41) Toluene-d8                | 10.324 | 98    | 704014   | 19.218   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 76.880%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 98295    | 18.954   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 75.800%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 117674   | 57.026   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 114.060% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 252835   | 26.550   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.200% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 196425   | 19.994   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 79.960%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 169546   | 19.345   | ug/L   | 99       |
| 3) Chloromethane              | 2.222  | 50    | 238957   | 21.264   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 271219   | 22.579   | ug/L   | 99       |
| 6) Bromomethane               | 2.789  | 94    | 143685   | 21.942   | ug/L   | 97       |
| 8) Chloroethane               | 2.929  | 64    | 165290   | 25.464   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 213798   | 27.665   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 206701   | 21.197   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 198218   | 21.776   | ug/L # | 75       |
| 13) Acetone                   | 4.130  | 43    | 139044   | 61.368   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.386  | 76    | 555098   | 17.274   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 118774   | 23.357   | ug/L   | 100      |
| 16) Methylene chloride        | 4.917  | 84    | 232843   | 20.405   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 203508   | 19.926   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 354836   | 22.044   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.221  | 63    | 464681   | 22.349   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 232899   | 21.529   | ug/L   | 96       |
| 22) 2-Butanone                | 7.179  | 43    | 177837   | 55.023   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.514  | 128   | 96894    | 21.002   | ug/L   | 91       |
| 25) Chloroform                | 7.679  | 83    | 432102   | 22.313   | ug/L   | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

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Quant Time: Jun 23 01:04:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM053023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 23 01:02:45 2023  
 Response via : Initial Calibration

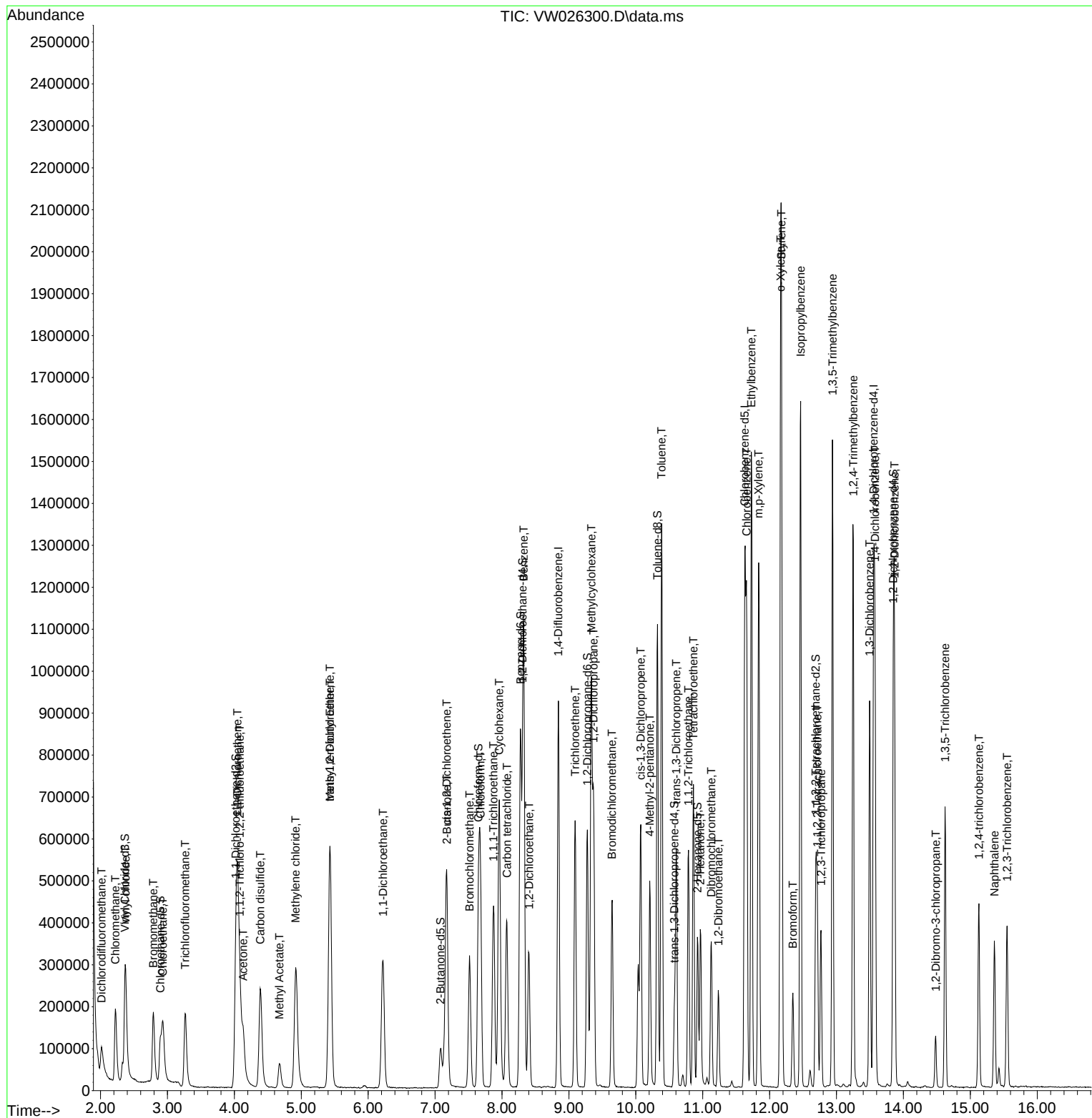
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 294464   | 22.047 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 382482   | 20.181 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 350020   | 23.495 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.075  | 117  | 297439   | 21.879 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 929379   | 22.100 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 226596   | 21.043 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 358363   | 18.807 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 261160   | 22.928 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 297345   | 22.470 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.074 | 75   | 361261   | 21.582 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 342060   | 50.937 | ug/L  | 100      |
| 42) Toluene                   | 10.385 | 91   | 940254   | 21.860 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 302052   | 21.660 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 174159   | 23.200 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 153196   | 20.113 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.965 | 43   | 258046   | 54.498 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.129 | 129  | 180044   | 22.875 | ug/L  | 93       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 153958   | 22.149 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.653 | 112  | 558136   | 20.707 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 1034925  | 21.329 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 375601   | 20.808 | ug/L  | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 363427   | 21.332 | ug/L  | 97       |
| 55) Styrene                   | 12.178 | 104  | 604777   | 20.692 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 214956   | 23.661 | ug/L  | 97       |
| 59) Bromoform                 | 12.348 | 173  | 98348    | 25.512 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.464 | 105  | 986204   | 24.459 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 156520   | 27.225 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 758015   | 23.649 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.251 | 105  | 689217   | 23.477 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 344689   | 20.332 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 349508   | 20.477 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 321321   | 21.107 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 33113    | 24.860 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 191711   | 16.462 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.128 | 180  | 126989   | 13.215 | ug/L  | 97       |
| 71) Naphthalene               | 15.360 | 128  | 277889   | 16.226 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 116441   | 13.865 | ug/L  | 99       |

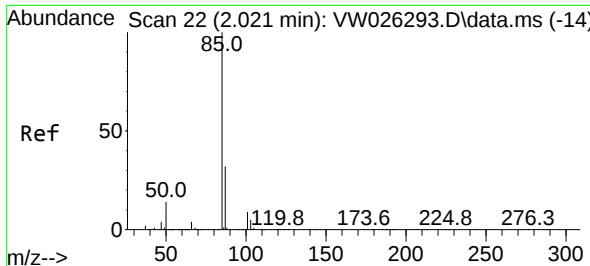
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 23 01:02:45 2023  
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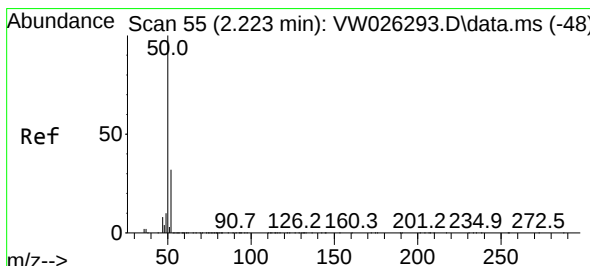
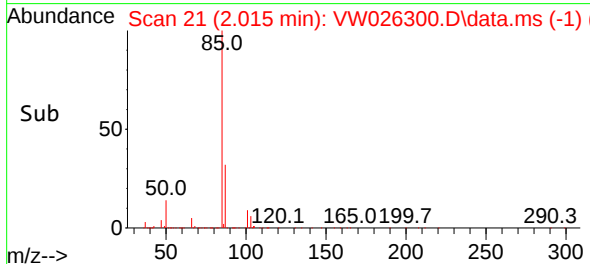
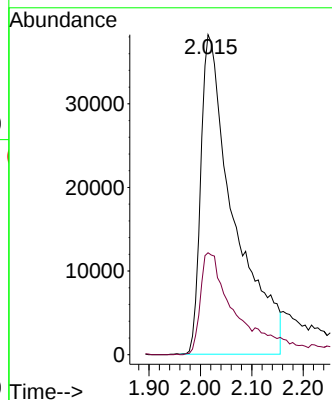
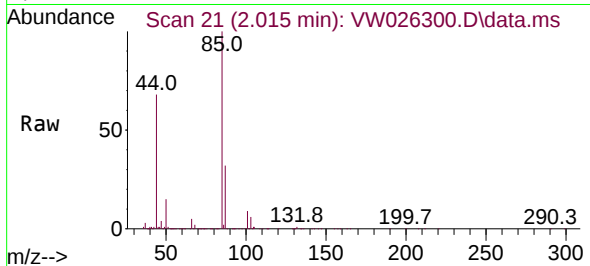




#2  
 Dichlorodifluoromethane  
 Concen: 19.345 ug/L  
 RT: 2.015 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VW026300.D  
 Acq: 22 Jun 2023 15:26

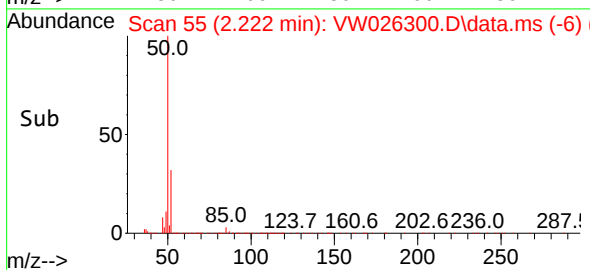
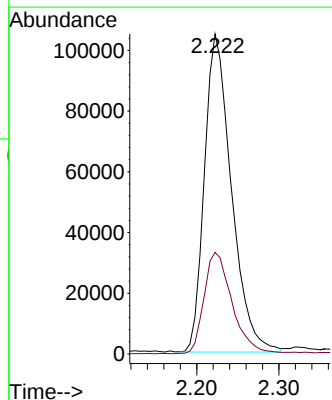
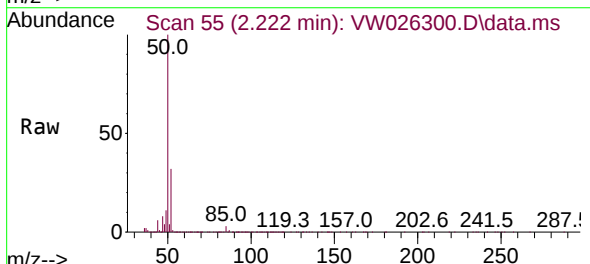
Instrument :  
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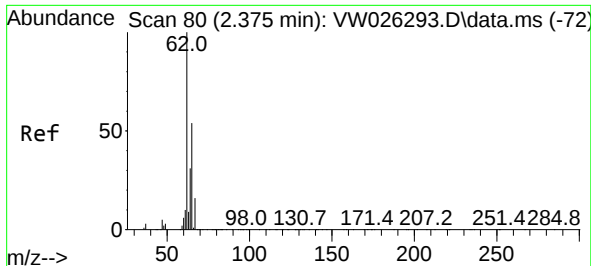
Tgt Ion: 85 Resp: 169546  
 Ion Ratio Lower Upper  
 85 100  
 87 28.0 22.2 33.2



#3  
 Chloromethane  
 Concen: 21.264 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VW026300.D  
 Acq: 22 Jun 2023 15:26

Tgt Ion: 50 Resp: 238957  
 Ion Ratio Lower Upper  
 50 100  
 52 31.8 21.3 39.6

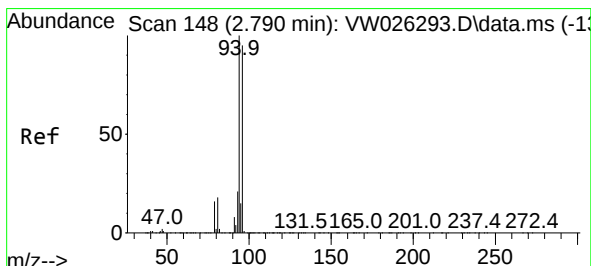
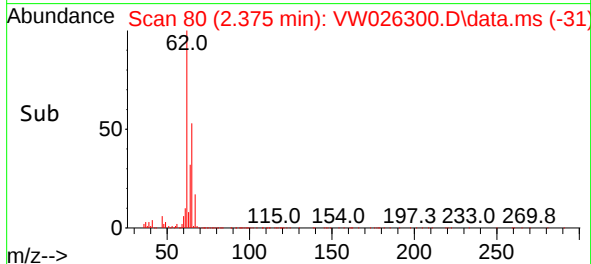
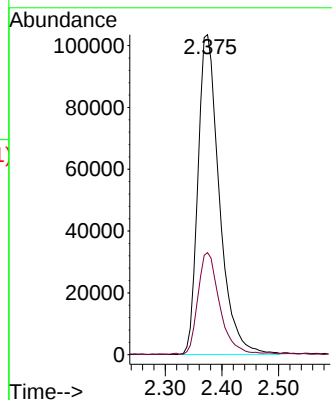
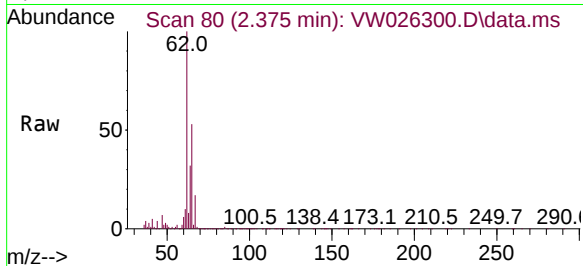




#5  
 Vinyl chloride  
 Concen: 22.579 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW026300.D  
 Acq: 22 Jun 2023 15:26

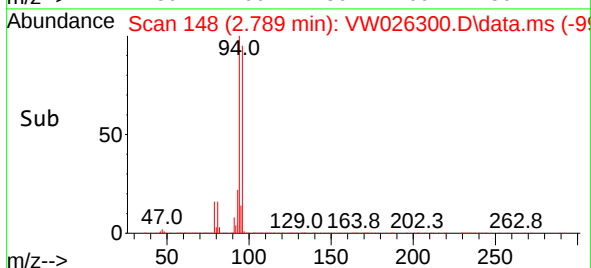
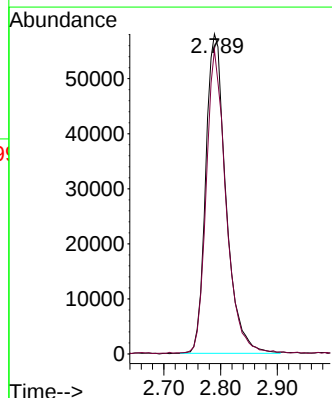
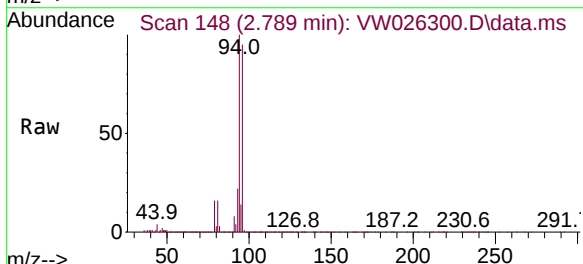
Instrument :  
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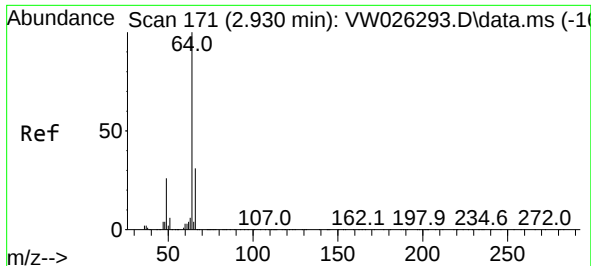
Tgt Ion: 62 Resp: 271219  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 22.7 42.1



#6  
 Bromomethane  
 Concen: 21.942 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW026300.D  
 Acq: 22 Jun 2023 15:26

Tgt Ion: 94 Resp: 143685  
 Ion Ratio Lower Upper  
 94 100  
 96 94.9 64.2 119.2

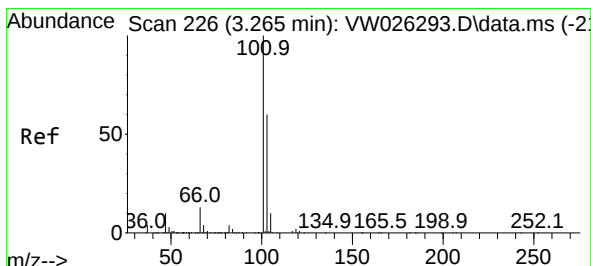
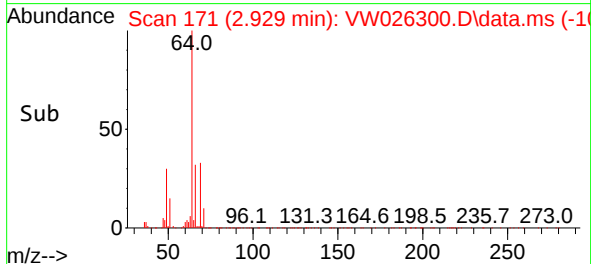
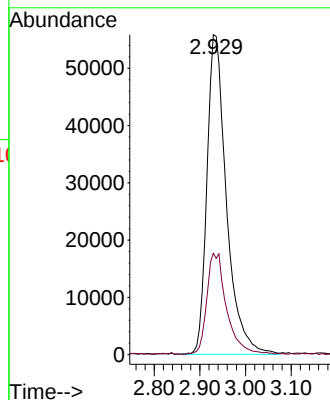
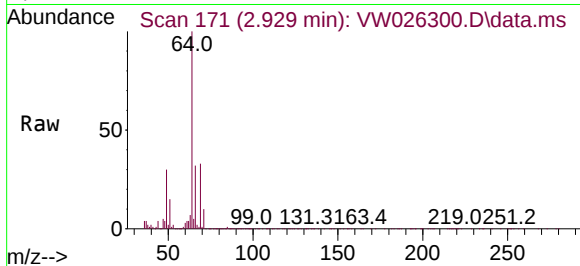




#8  
Chloroethane  
Concen: 25.464 ug/L  
RT: 2.929 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

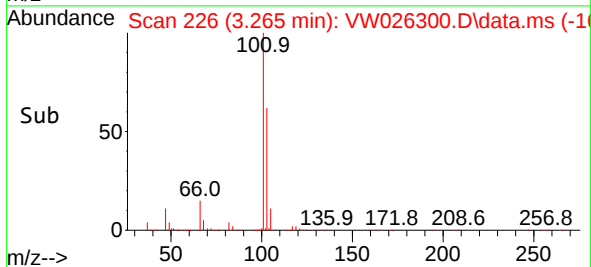
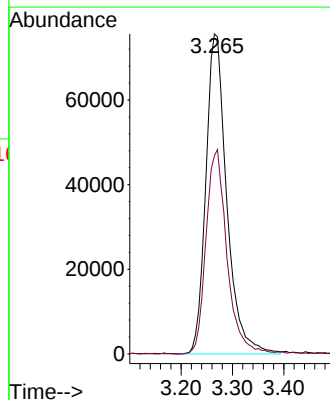
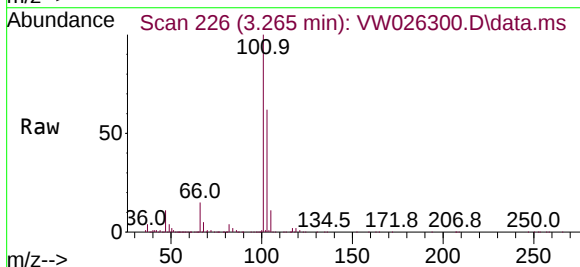
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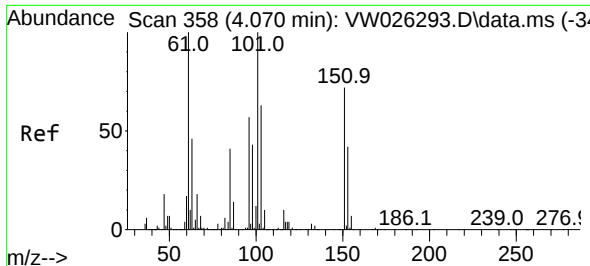
Tgt Ion: 64 Resp: 165290  
Ion Ratio Lower Upper  
64 100  
66 31.7 23.2 43.2



#9  
Trichlorofluoromethane  
Concen: 27.665 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion: 101 Resp: 213798  
Ion Ratio Lower Upper  
101 100  
103 63.9 51.6 77.4

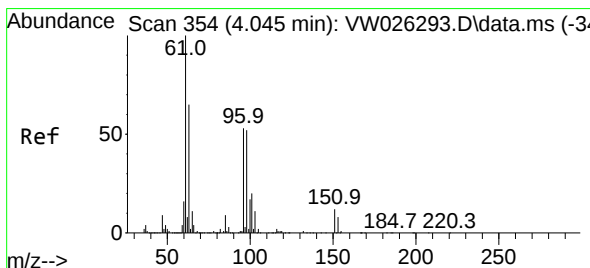
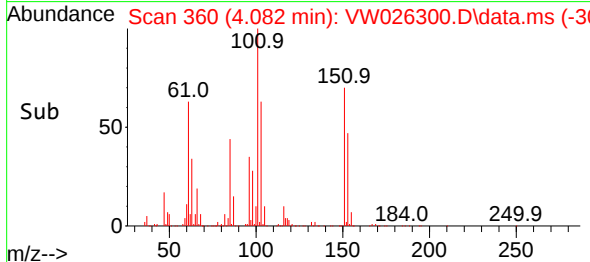
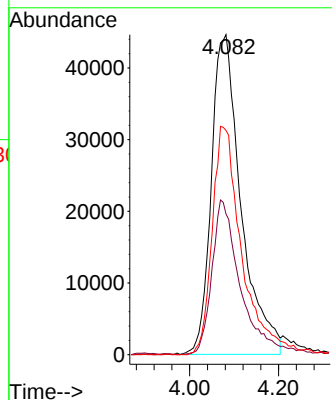
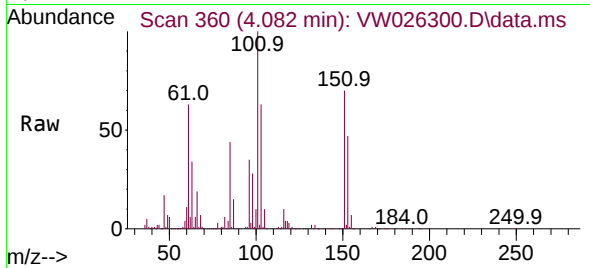




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 21.197 ug/L  
 RT: 4.082 min Scan# 360  
 Delta R.T. 0.012 min  
 Lab File: VW026300.D  
 Acq: 22 Jun 2023 15:26

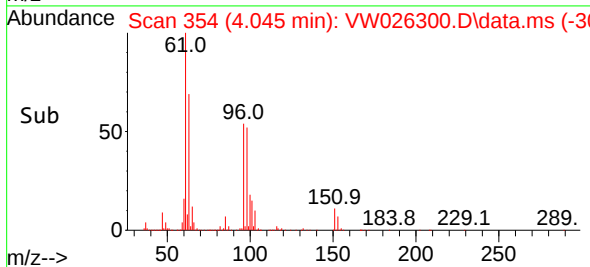
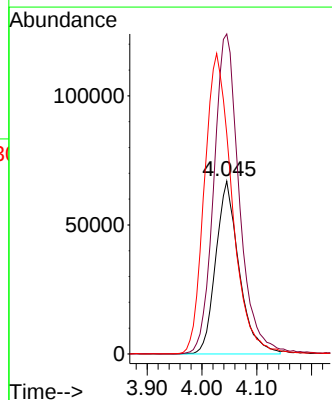
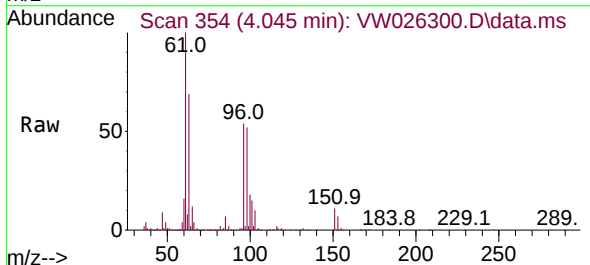
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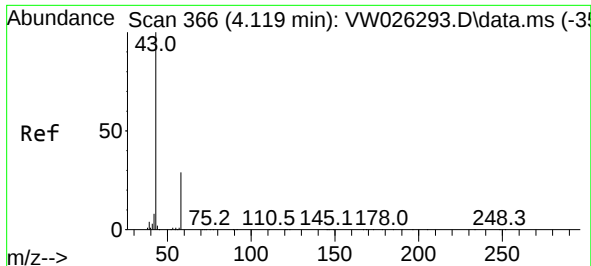
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 Ion Ratio Lower Upper  
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 85 46.0 36.1 54.1  
 151 70.5 55.1 82.7



#12  
 1,1-Dichloroethene  
 Concen: 21.776 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW026300.D  
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Tgt Ion: 96 Resp: 198218  
 Ion Ratio Lower Upper  
 96 100  
 61 185.1 140.6 261.0  
 63 127.4 131.7 244.5#

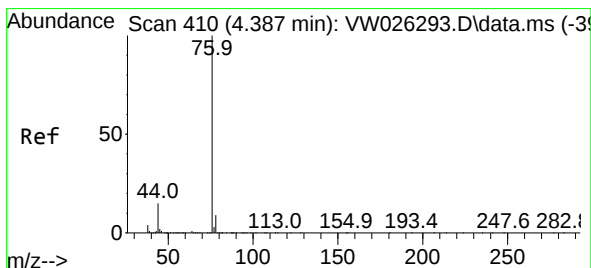
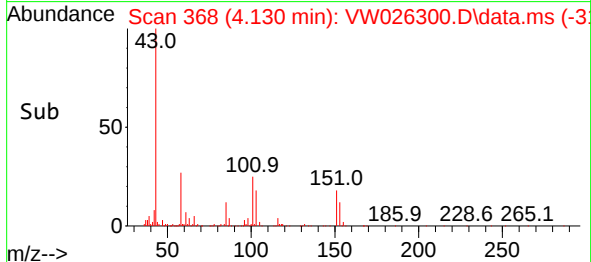
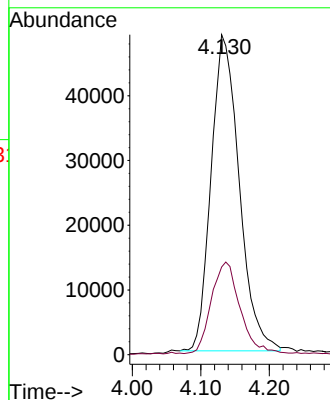
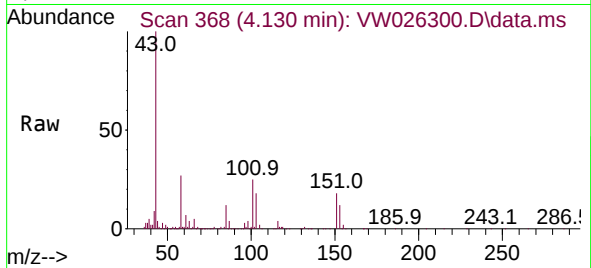




#13  
Acetone  
Concen: 61.368 ug/L  
RT: 4.130 min Scan# 368  
Delta R.T. 0.012 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

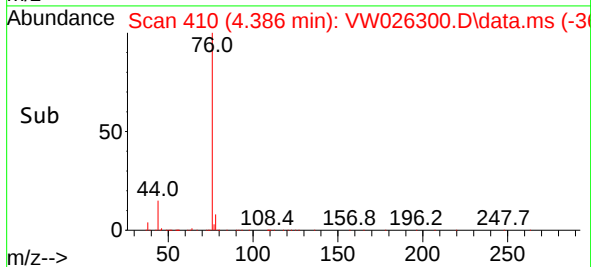
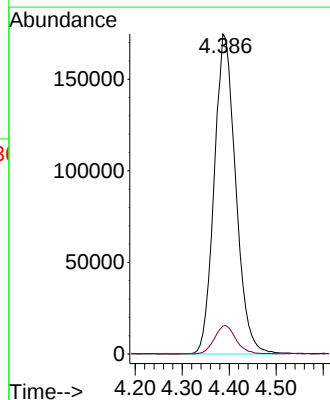
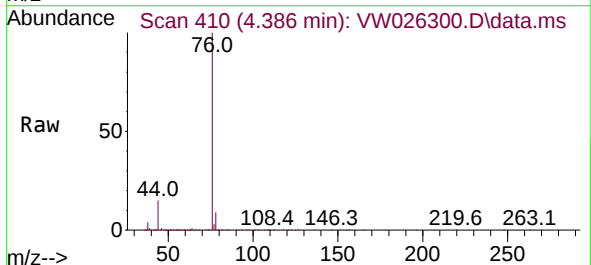
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

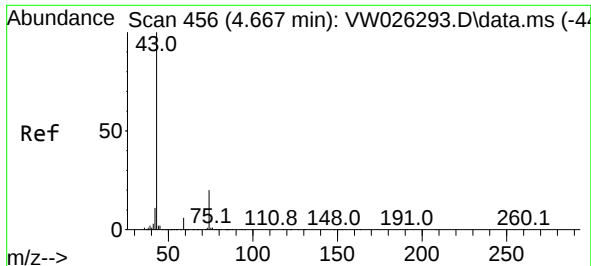
Tgt Ion: 43 Resp: 139044  
Ion Ratio Lower Upper  
43 100  
58 29.6 0.0 58.2



#14  
Carbon disulfide  
Concen: 17.274 ug/L  
RT: 4.386 min Scan# 410  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion: 76 Resp: 555098  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.2 10.8

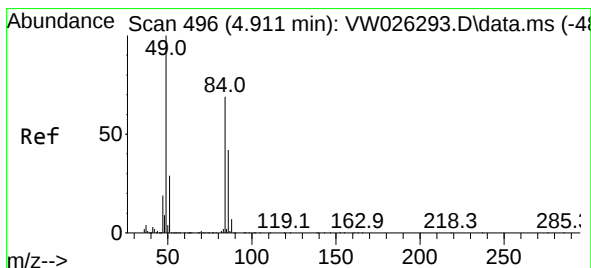
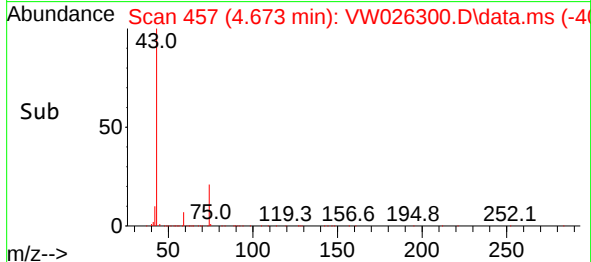
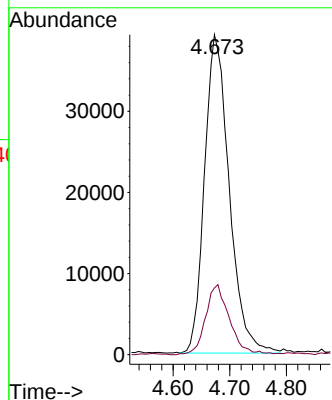
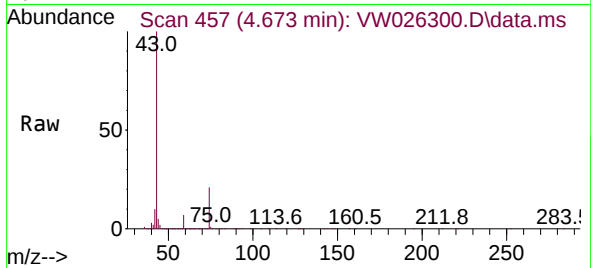




#15  
Methyl Acetate  
Concen: 23.357 ug/L  
RT: 4.673 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

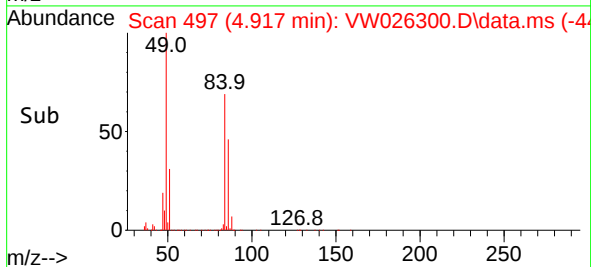
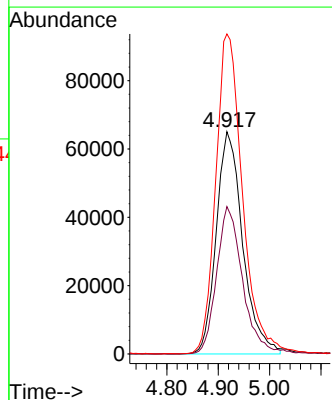
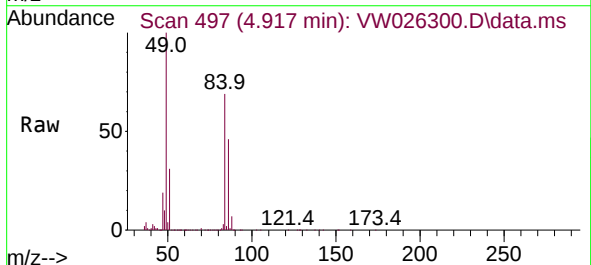
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

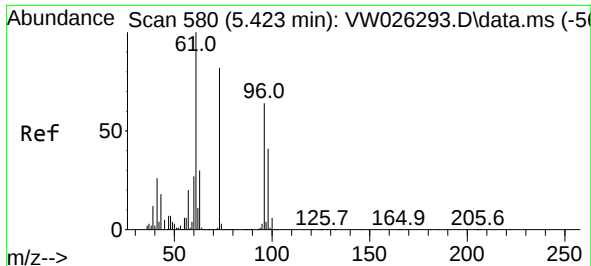
Tgt Ion: 43 Resp: 118774  
Ion Ratio Lower Upper  
43 100  
74 20.9 16.6 25.0



#16  
Methylene chloride  
Concen: 20.405 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. 0.006 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion: 84 Resp: 232843  
Ion Ratio Lower Upper  
84 100  
86 66.3 44.2 82.0  
49 143.9 98.8 183.6

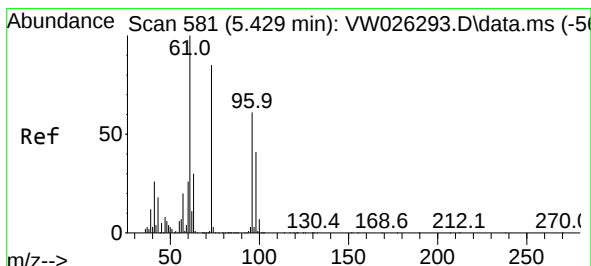
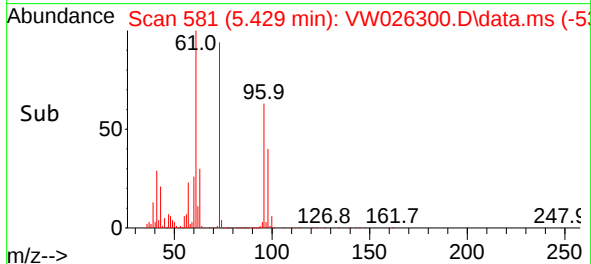
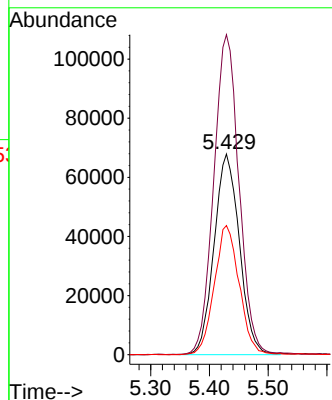
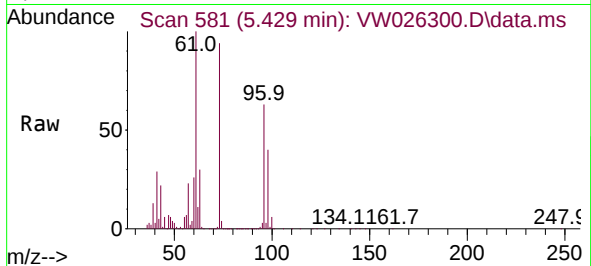




#17  
trans-1,2-Dichloroethene  
Concen: 19.926 ug/L  
RT: 5.429 min Scan# 580  
Delta R.T. 0.006 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

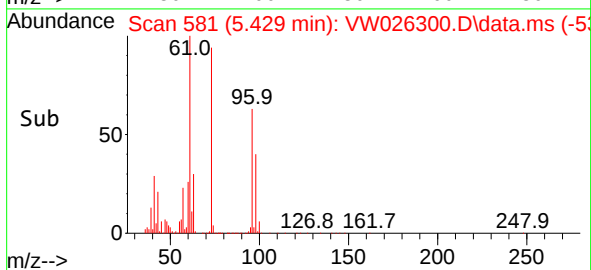
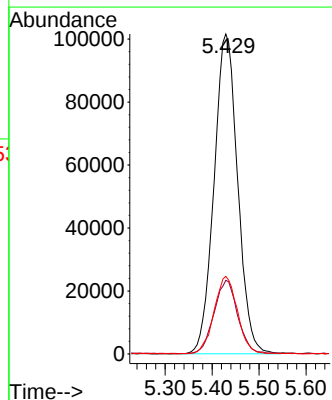
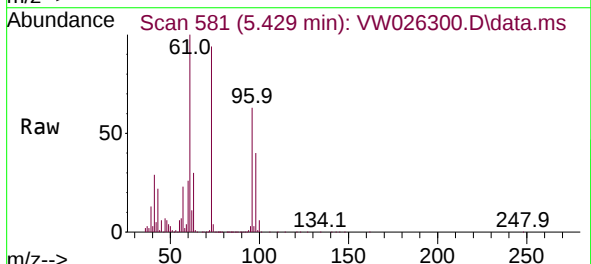
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

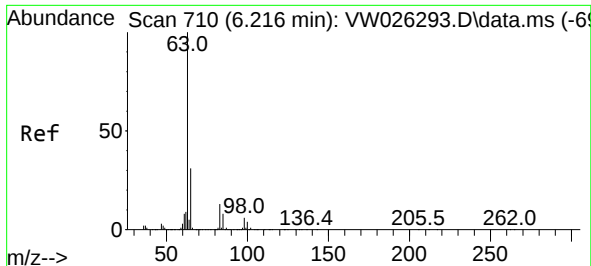
Tgt Ion: 96 Resp: 203508  
Ion Ratio Lower Upper  
96 100  
61 159.4 113.0 209.8  
98 64.3 42.5 78.9



#18  
Methyl tert-butyl Ether  
Concen: 22.044 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion: 73 Resp: 354836  
Ion Ratio Lower Upper  
73 100  
43 23.0 17.8 26.6  
57 23.8 18.9 28.3





#19

1,1-Dichloroethane

Concen: 22.349 ug/L

RT: 6.221 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

YBW52MS

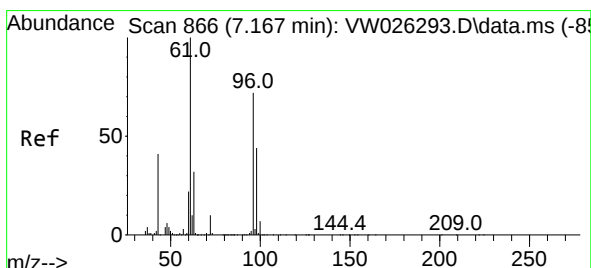
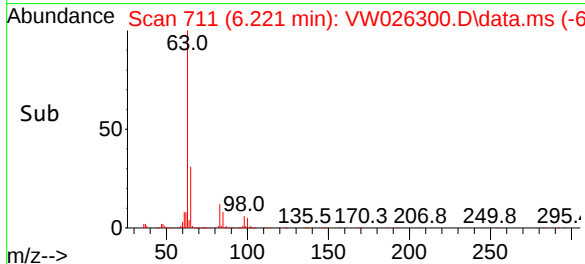
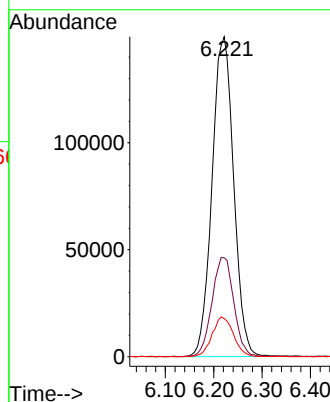
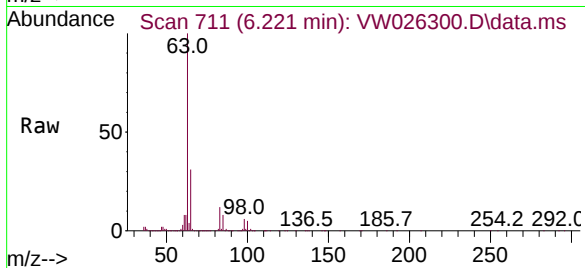
Tgt Ion: 63 Resp: 464681

Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.5

83 11.9 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 21.529 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

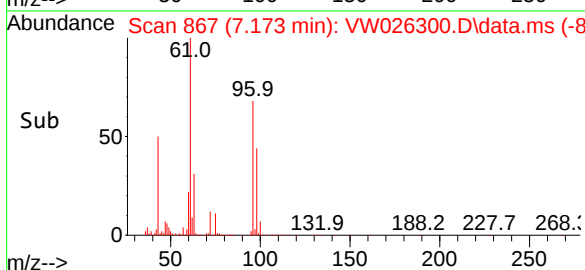
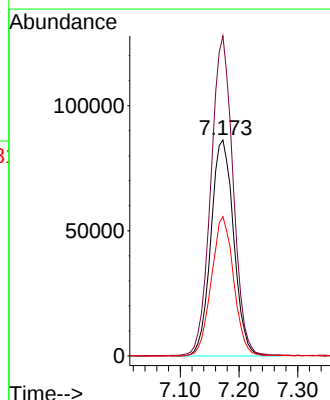
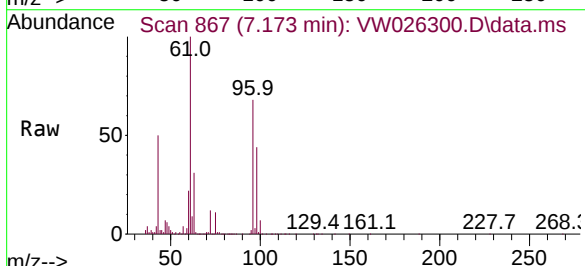
Tgt Ion: 96 Resp: 232899

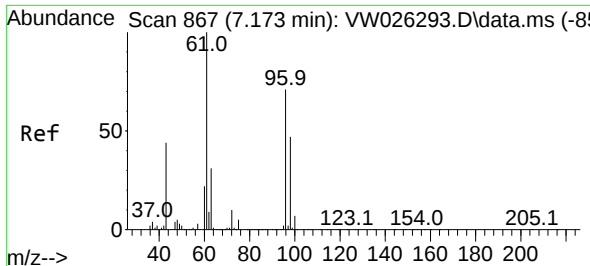
Ion Ratio Lower Upper

96 100

61 148.1 98.4 182.8

98 64.5 45.2 84.0

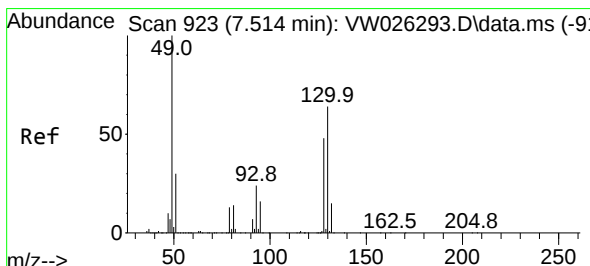
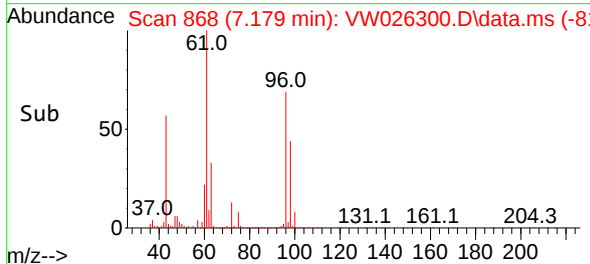
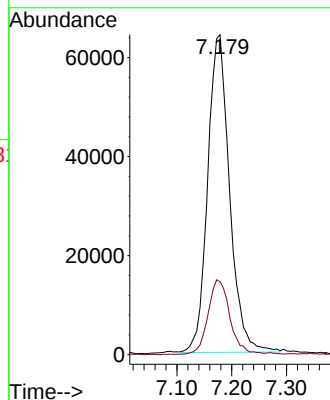
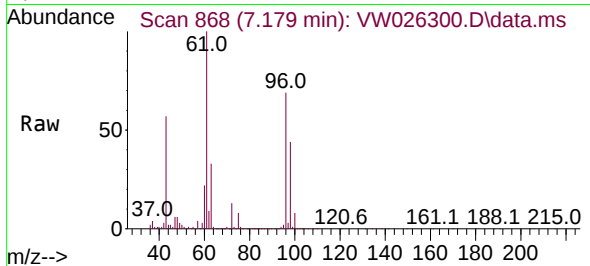




#22  
2-Butanone  
Concen: 55.023 ug/L  
RT: 7.179 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

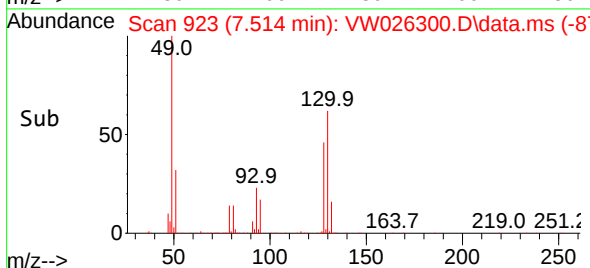
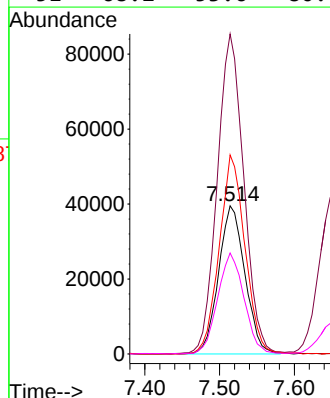
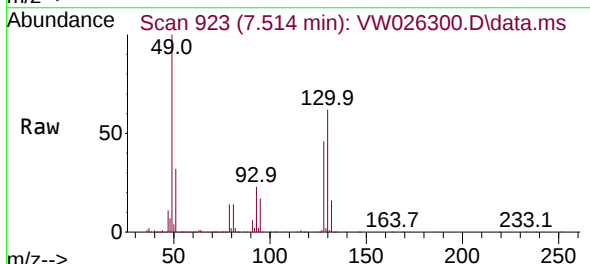
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

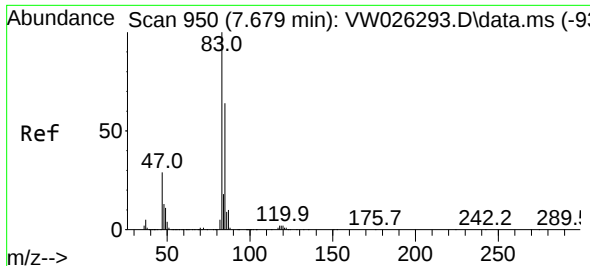
Tgt Ion: 43 Resp: 177837  
Ion Ratio Lower Upper  
43 100  
72 23.4 12.4 37.4



#23  
Bromochloromethane  
Concen: 21.002 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion: 128 Resp: 96894  
Ion Ratio Lower Upper  
128 100  
49 216.1 140.6 261.0  
130 134.4 86.0 159.6  
51 68.2 53.6 80.4

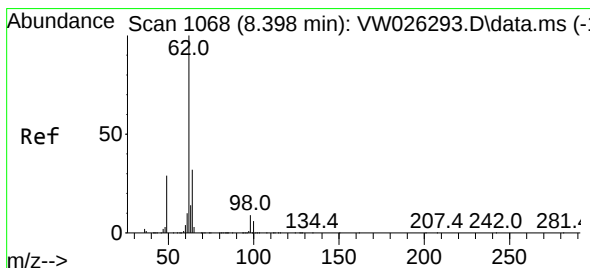
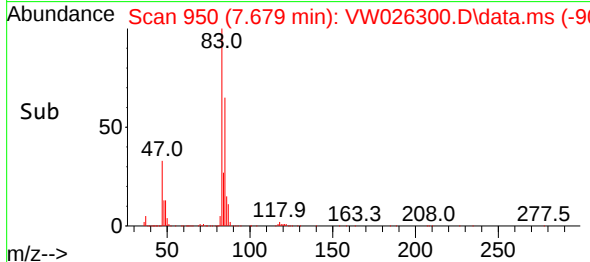
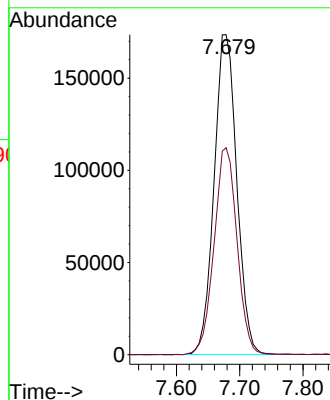
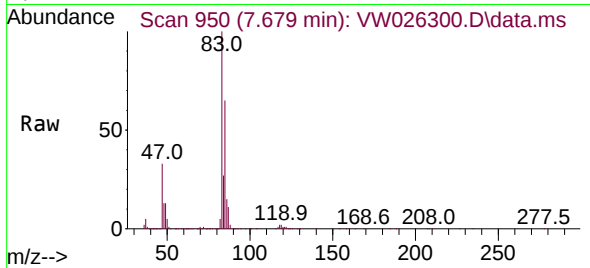




#25  
Chloroform  
Concen: 22.313 ug/L  
RT: 7.679 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

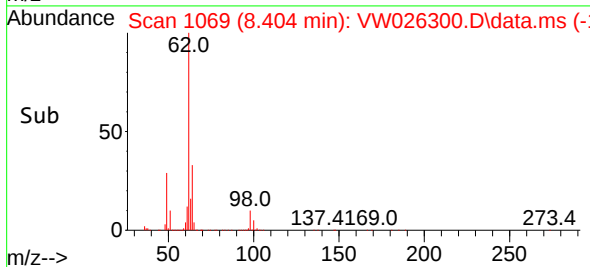
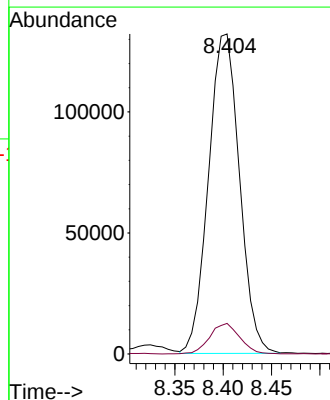
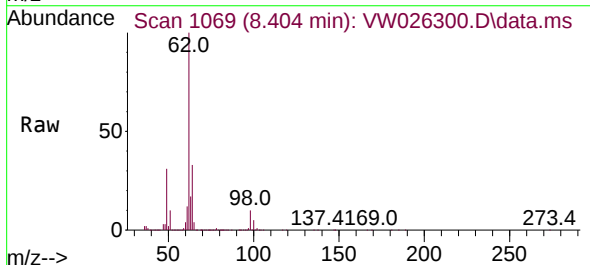
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

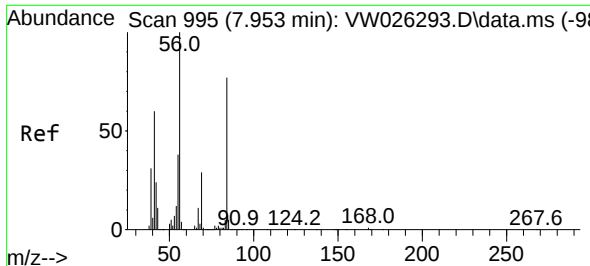
Tgt Ion: 83 Resp: 432102  
Ion Ratio Lower Upper  
83 100  
85 64.7 45.1 83.7



#27  
1,2-Dichloroethane  
Concen: 22.047 ug/L  
RT: 8.404 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion: 62 Resp: 294464  
Ion Ratio Lower Upper  
62 100  
98 9.6 7.4 11.2

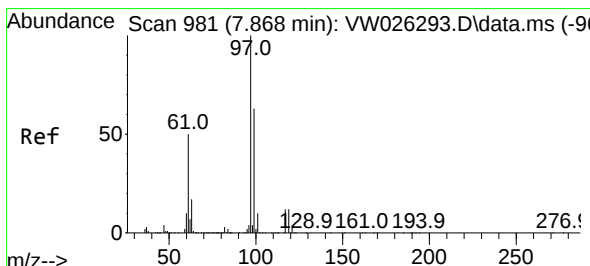
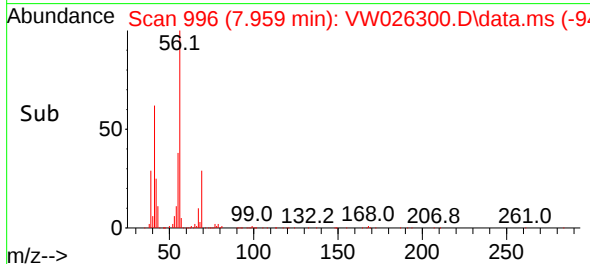
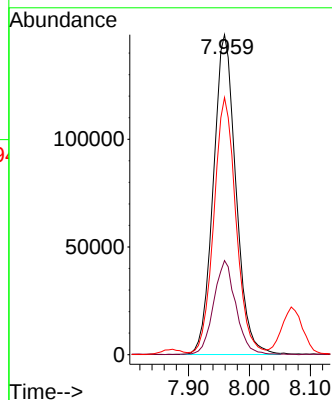
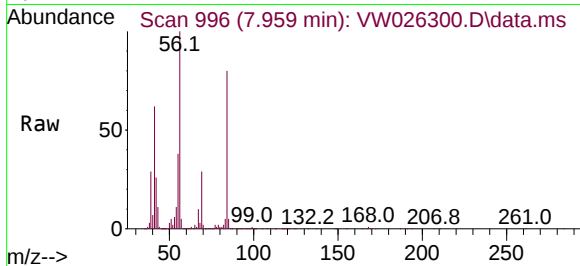




#29  
Cyclohexane  
Concen: 20.181 ug/L  
RT: 7.959 min Scan# 995  
Delta R.T. 0.006 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

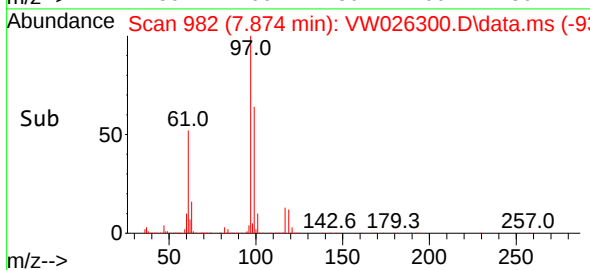
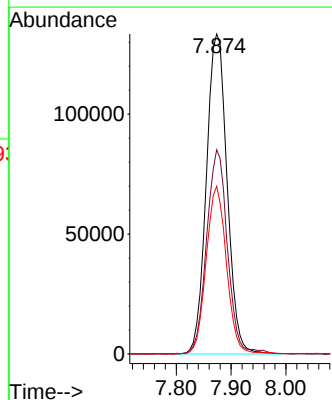
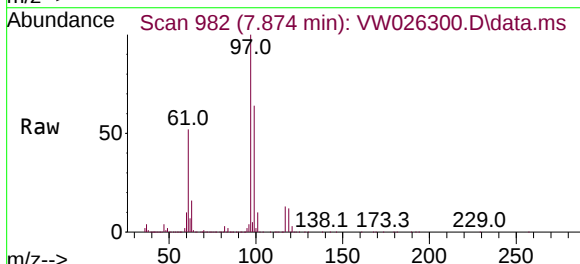
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

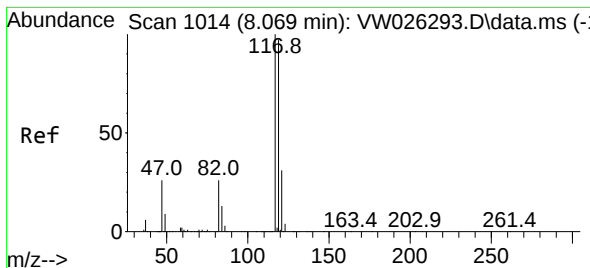
Tgt Ion: 56 Resp: 382482  
Ion Ratio Lower Upper  
56 100  
69 28.7 23.3 34.9  
84 79.0 63.0 94.6



#30  
1,1,1-Trichloroethane  
Concen: 23.495 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion: 97 Resp: 350020  
Ion Ratio Lower Upper  
97 100  
99 63.2 50.6 76.0  
61 50.6 40.5 60.7





#31

Carbon tetrachloride

Concen: 21.879 ug/L

RT: 8.075 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

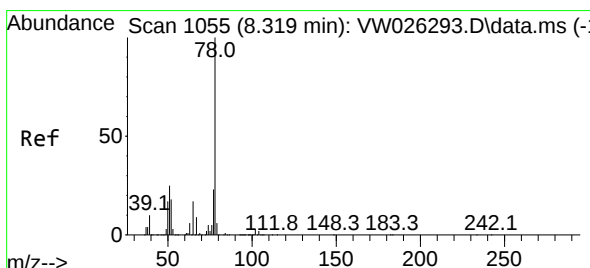
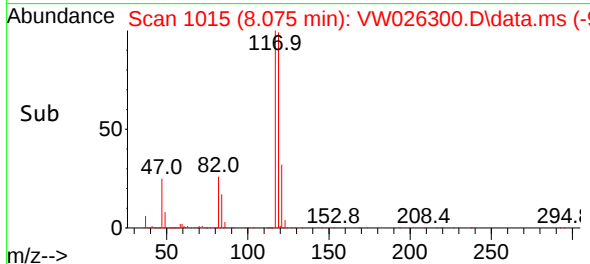
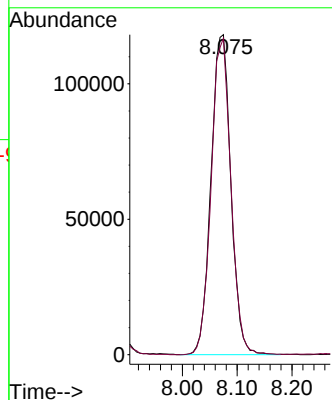
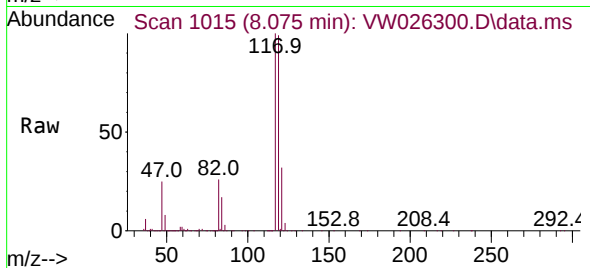
YBW52MS

Tgt Ion:117 Resp: 297439

Ion Ratio Lower Upper

117 100

119 97.9 77.4 116.2



#33

Benzene

Concen: 22.100 ug/L

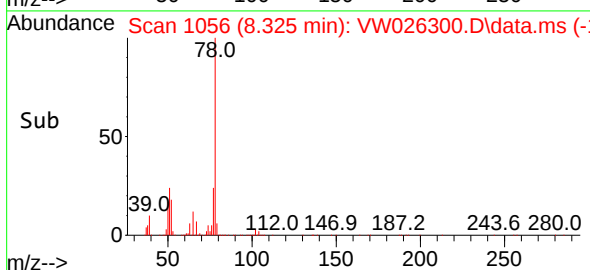
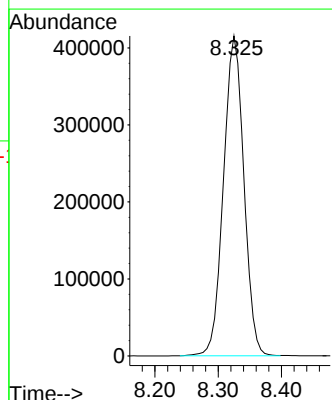
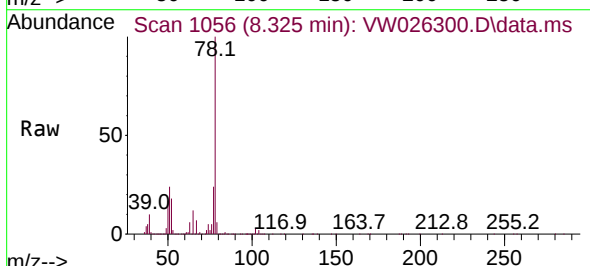
RT: 8.325 min Scan# 1056

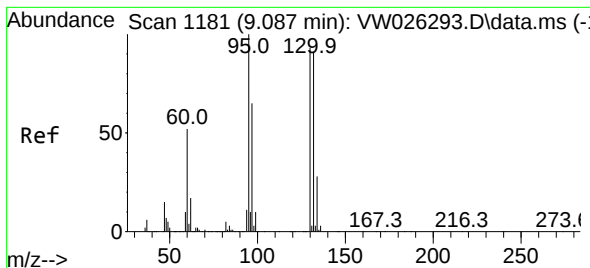
Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Tgt Ion: 78 Resp: 929379





#34

Trichloroethene

Concen: 21.043 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

YBW52MS

Tgt Ion: 95 Resp: 226596

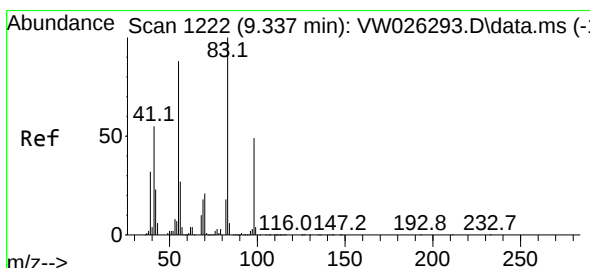
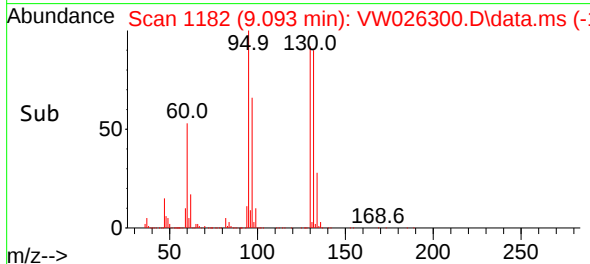
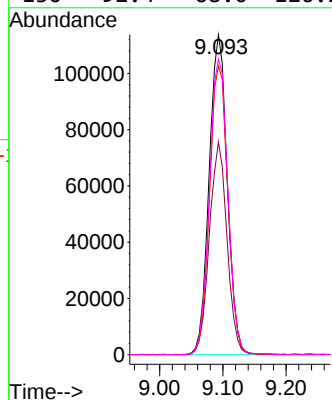
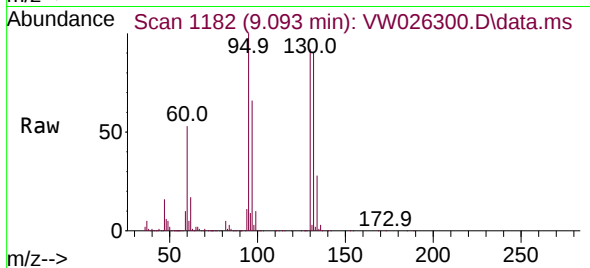
Ion Ratio Lower Upper

95 100

97 66.5 45.9 85.3

132 90.2 67.1 124.7

130 92.4 68.0 126.2



#35

Methylcyclohexane

Concen: 18.807 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

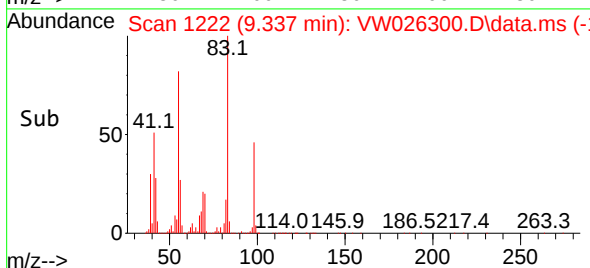
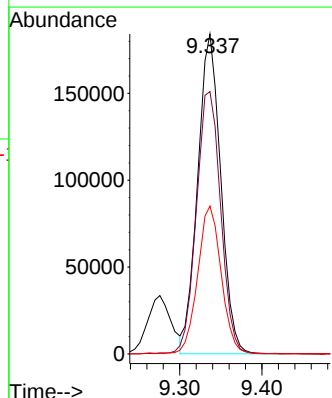
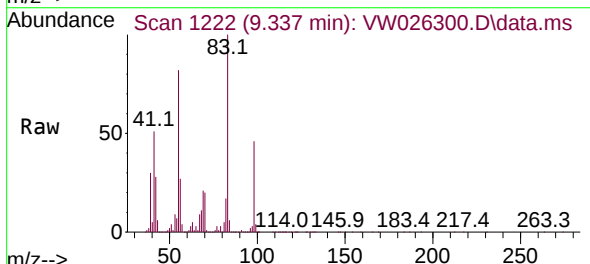
Tgt Ion: 83 Resp: 358363

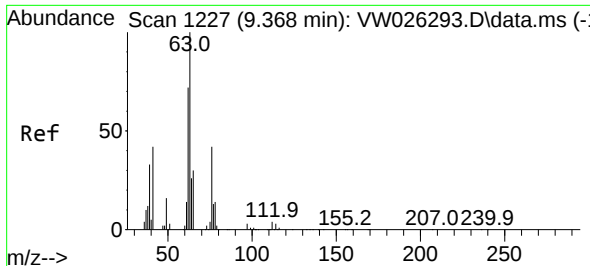
Ion Ratio Lower Upper

83 100

55 86.6 68.2 102.4

98 47.1 38.1 57.1

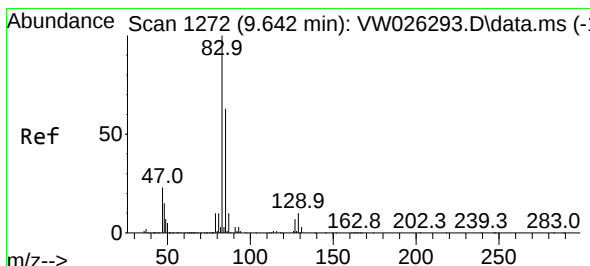
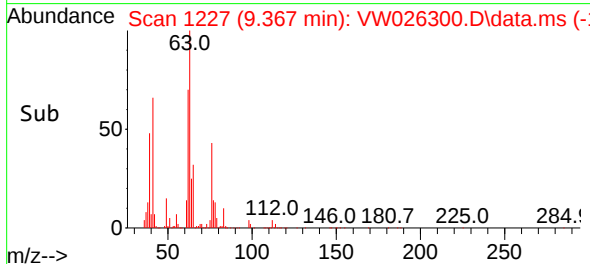
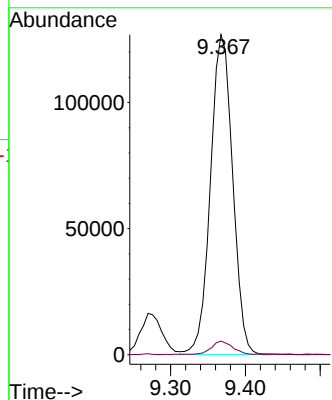
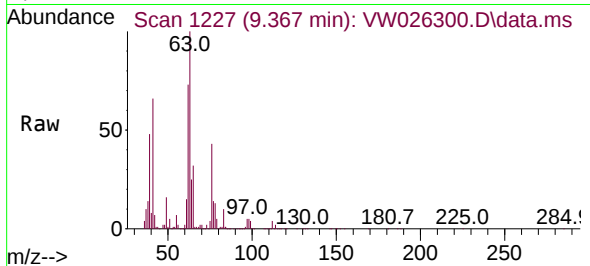




#37  
1,2-Dichloropropane  
Concen: 22.928 ug/L  
RT: 9.367 min Scan# 1112  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

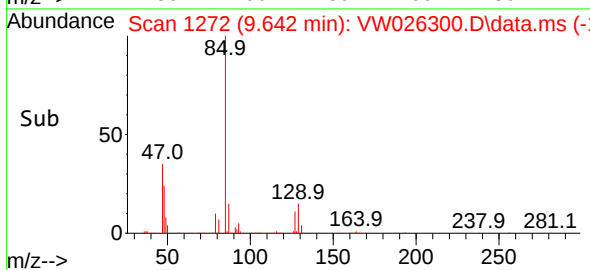
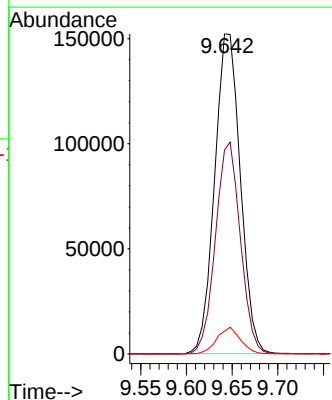
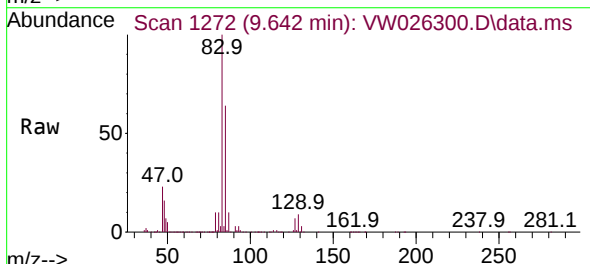
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

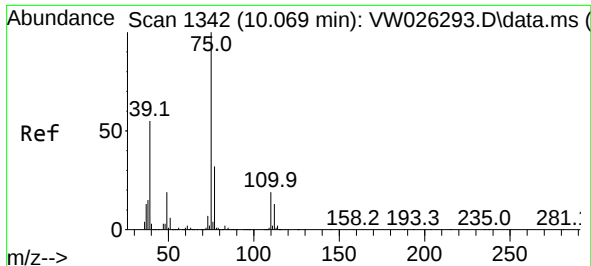
Tgt Ion: 63 Resp: 261160  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.3 4.9



#38  
Bromodichloromethane  
Concen: 22.470 ug/L  
RT: 9.642 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion: 83 Resp: 297345  
Ion Ratio Lower Upper  
83 100  
85 63.8 44.2 82.0  
127 7.1 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 21.582 ug/L

RT: 10.074 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

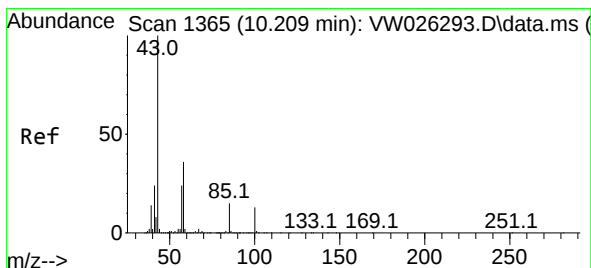
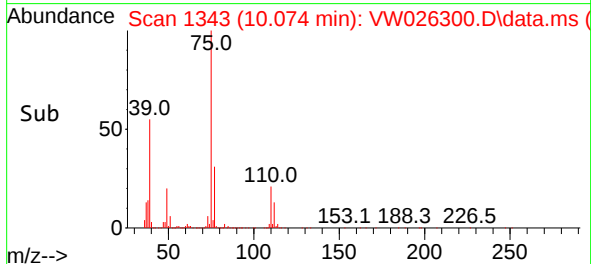
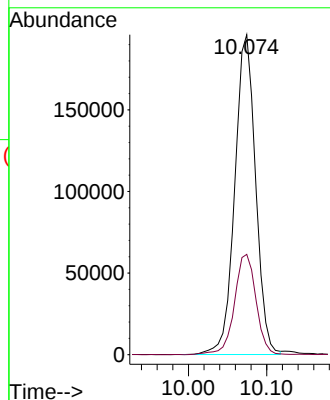
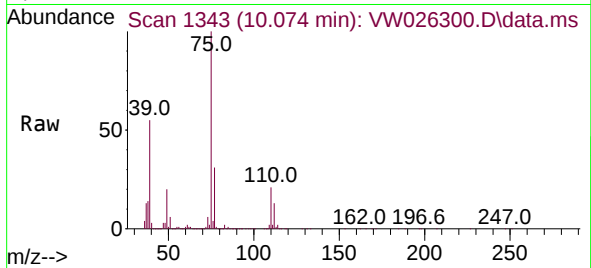
YBW52MS

Tgt Ion: 75 Resp: 361261

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 50.937 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

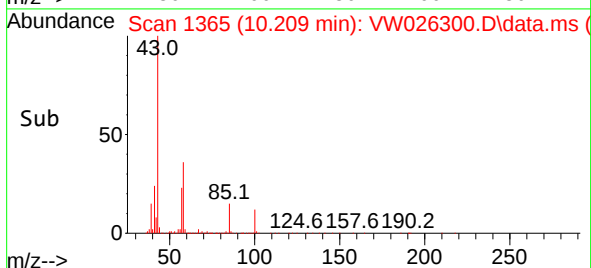
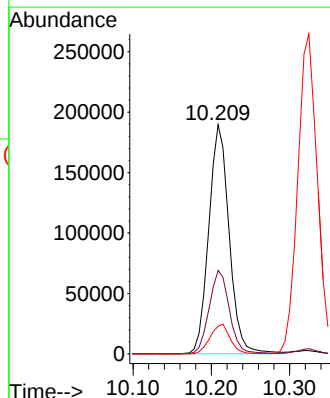
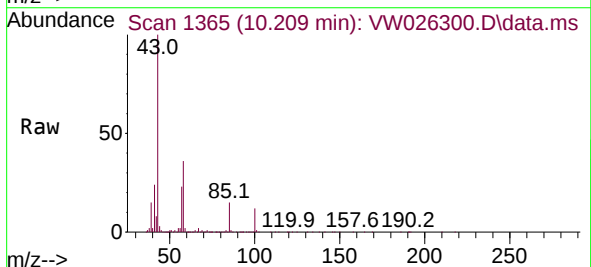
Tgt Ion: 43 Resp: 342060

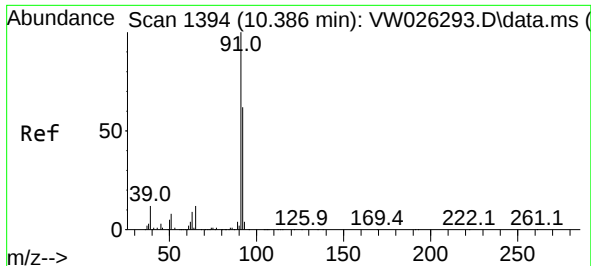
Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.4

100 12.9 10.5 15.7

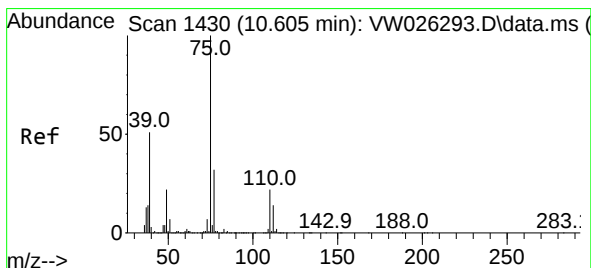
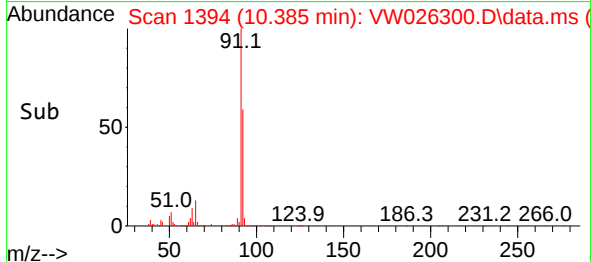
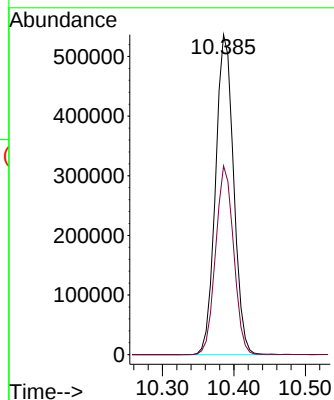
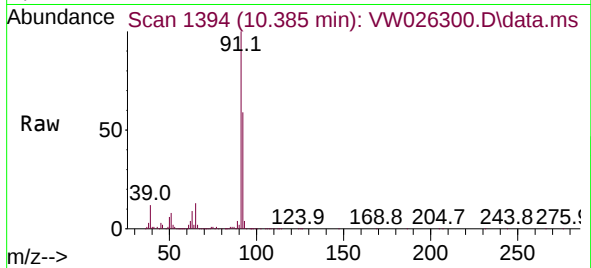




#42  
Toluene  
Concen: 21.860 ug/L  
RT: 10.385 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

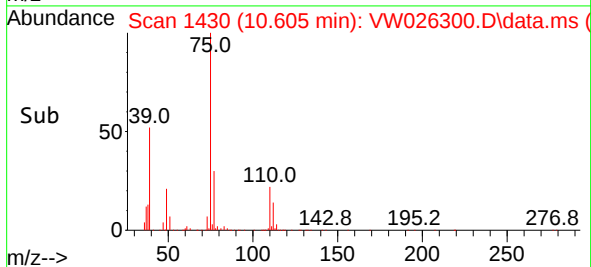
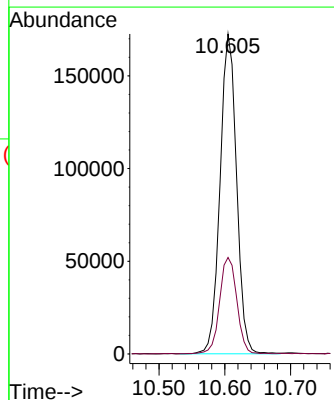
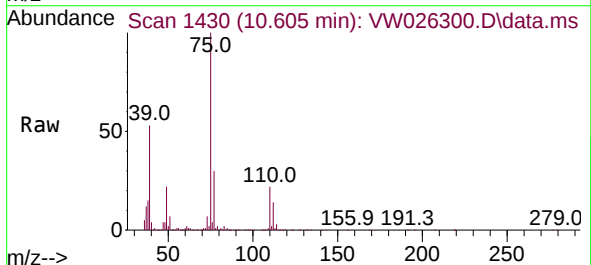
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

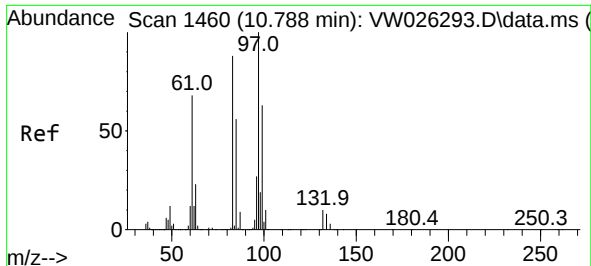
Tgt Ion: 91 Resp: 940254  
Ion Ratio Lower Upper  
91 100  
92 59.0 42.2 78.4



#44  
trans-1,3-Dichloropropene  
Concen: 21.660 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion: 75 Resp: 302052  
Ion Ratio Lower Upper  
75 100  
77 30.2 21.1 39.3

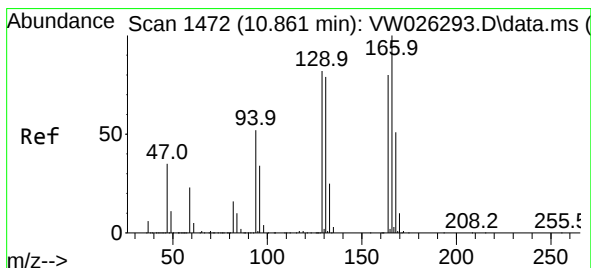
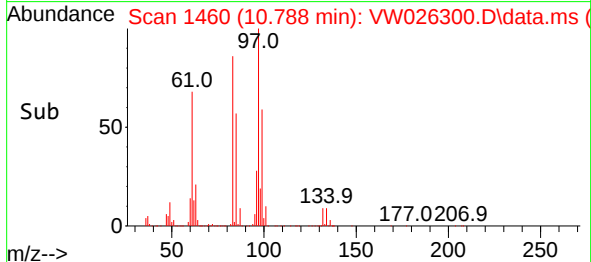
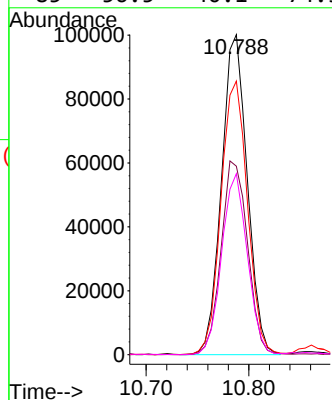
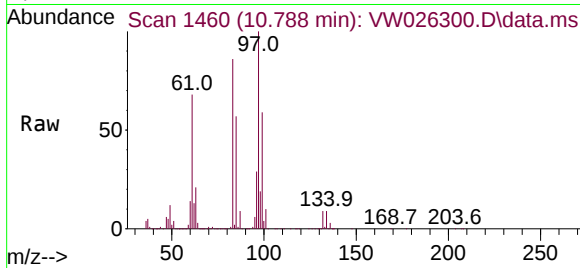




#45  
1,1,2-Trichloroethane  
Concen: 23.200 ug/L  
RT: 10.788 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

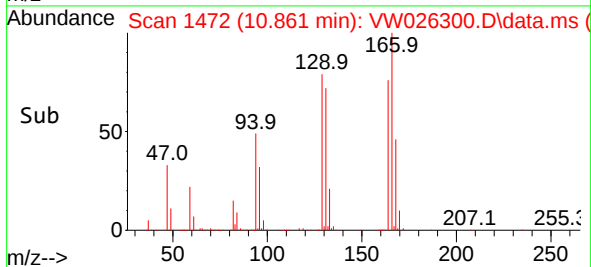
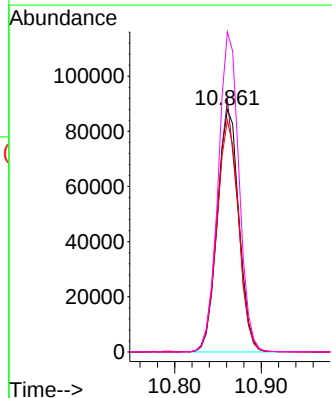
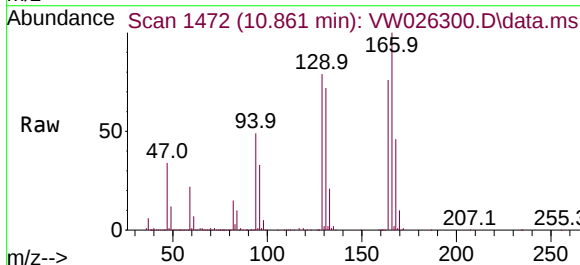
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

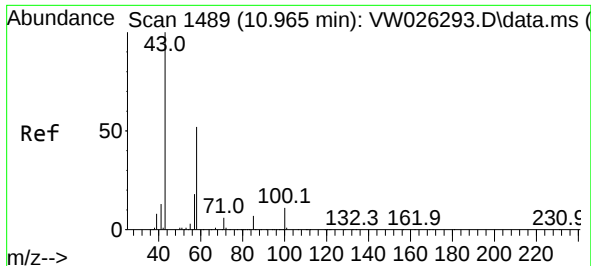
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 174159 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 58.9  | 43.3  | 80.5   |
| 83       | 85.5  | 62.9  | 116.9  |
| 85       | 56.5  | 40.1  | 74.5   |



#46  
Tetrachloroethene  
Concen: 20.113 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 153196 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 103.9 | 68.5  | 127.1  |
| 131      | 95.6  | 67.1  | 124.7  |
| 166      | 132.0 | 94.1  | 174.8  |

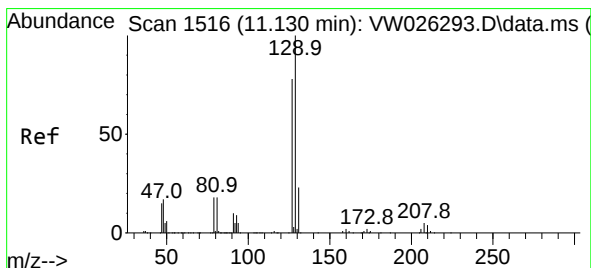
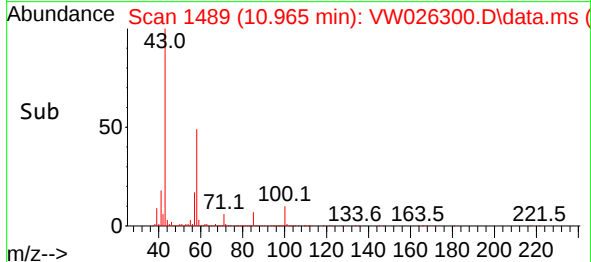
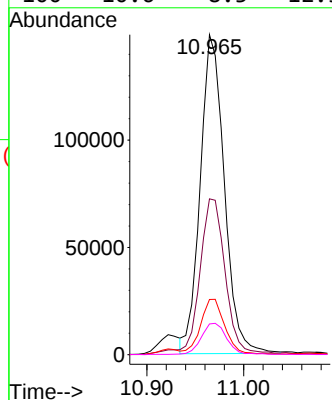
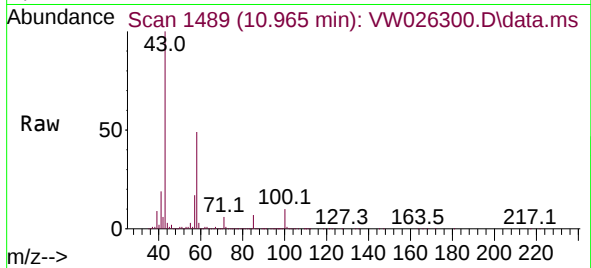




#48  
2-Hexanone  
Concen: 54.498 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

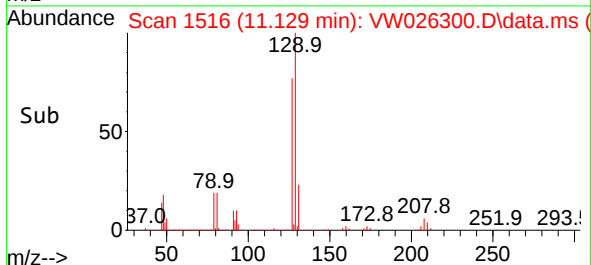
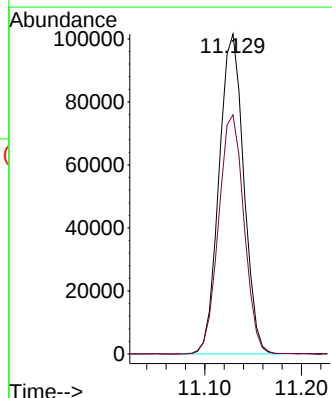
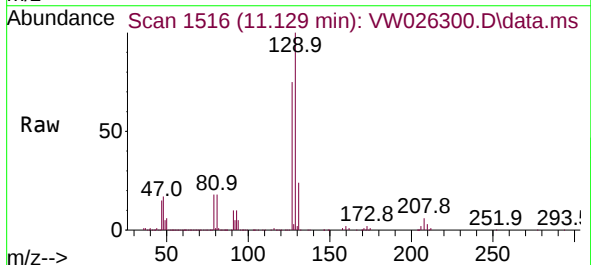
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

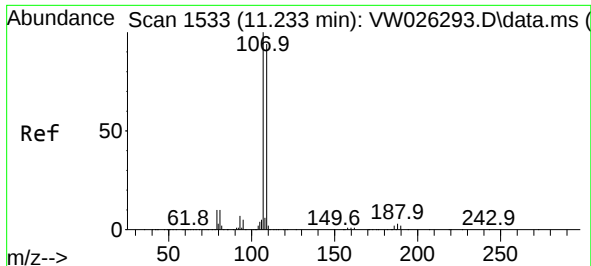
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 258046 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 49.2  | 42.2  | 63.2   |
| 57       | 17.6  | 14.2  | 21.2   |
| 100      | 10.6  | 8.3   | 12.5   |



#49  
Dibromochloromethane  
Concen: 22.875 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 180044 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 74.8  | 56.9  | 105.7  |





#50

1,2-Dibromoethane

Concen: 22.149 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

YBW52MS

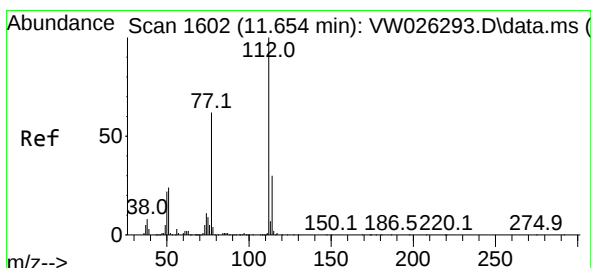
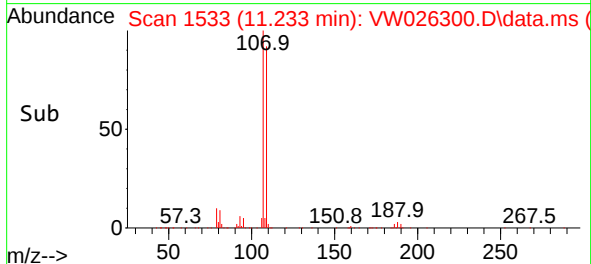
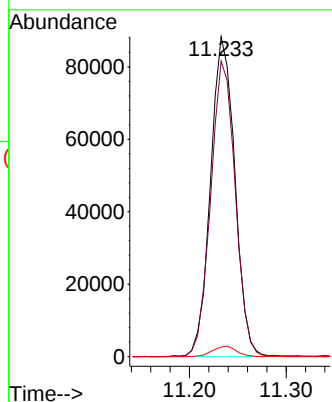
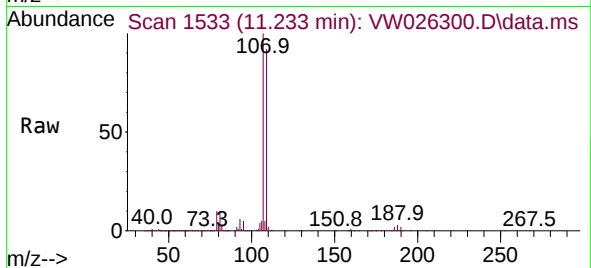
Tgt Ion:107 Resp: 153958

Ion Ratio Lower Upper

107 100

109 92.4 64.0 119.0

188 3.0 2.6 3.8



#51

Chlorobenzene

Concen: 20.707 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

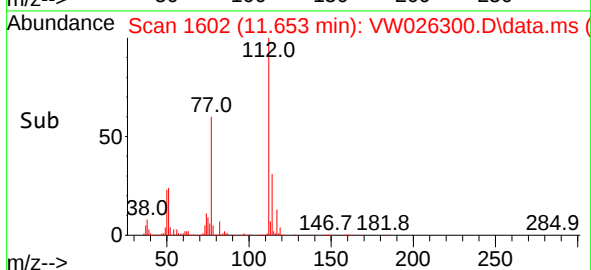
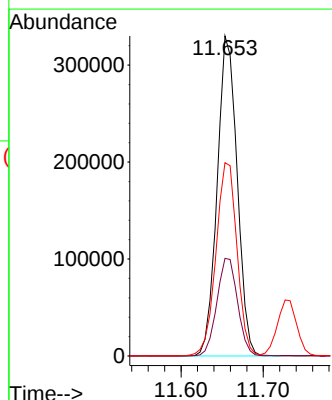
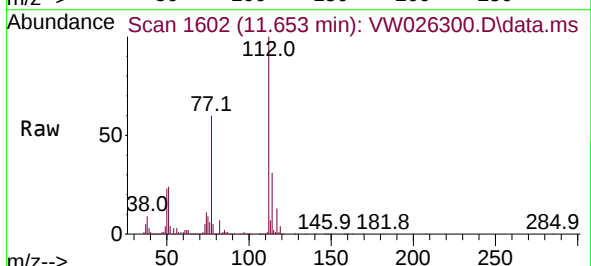
Tgt Ion:112 Resp: 558136

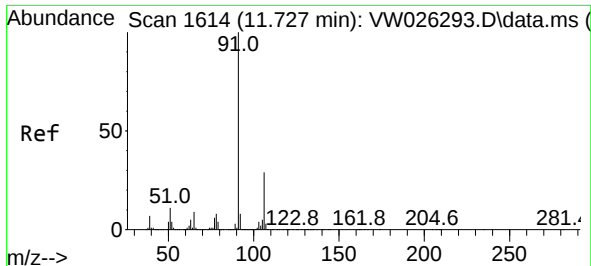
Ion Ratio Lower Upper

112 100

114 30.5 23.0 42.6

77 60.4 50.9 76.3

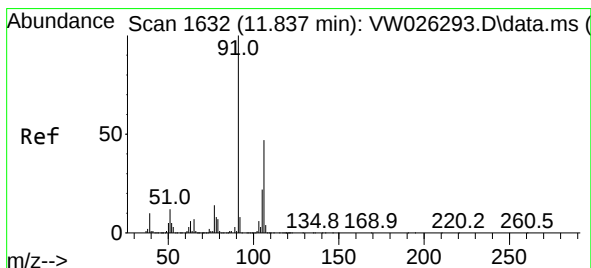
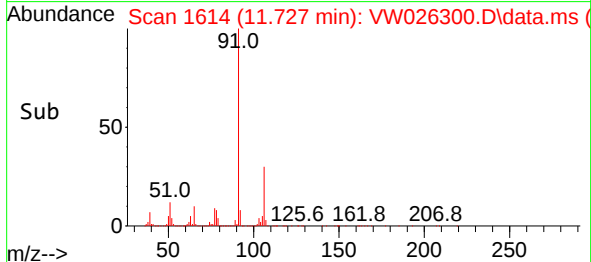
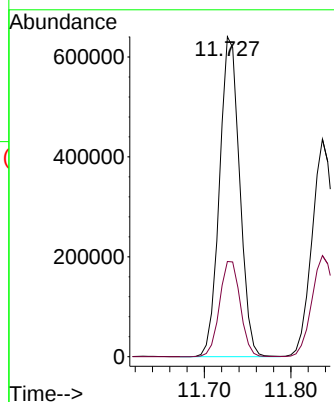
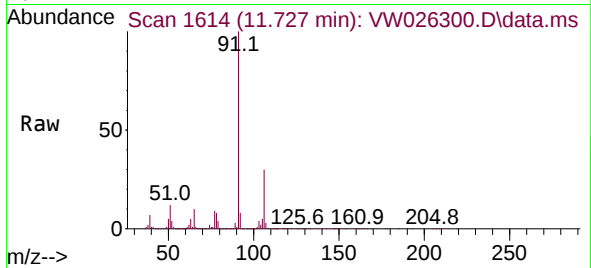




#52  
Ethylbenzene  
Concen: 21.329 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

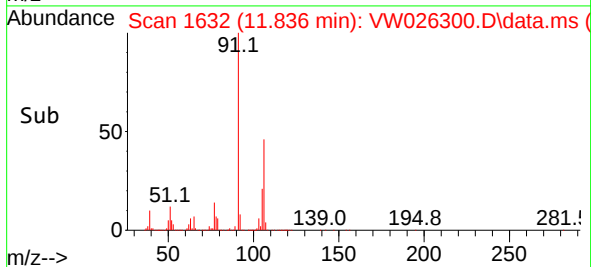
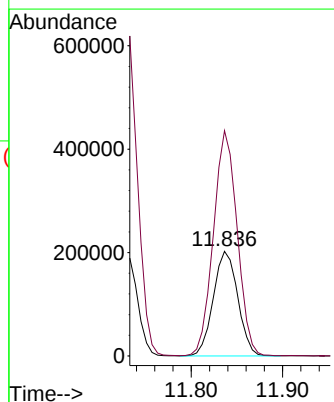
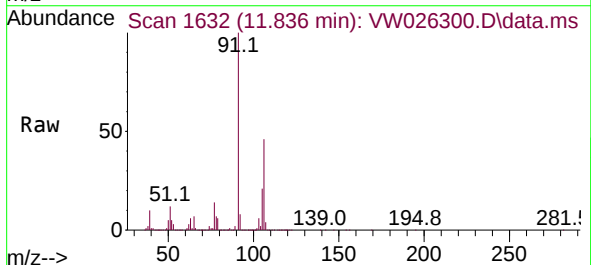
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

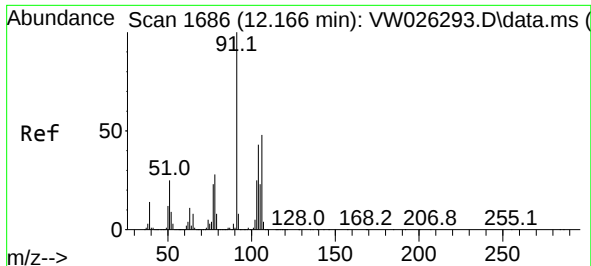
Tgt Ion: 91 Resp: 1034925  
Ion Ratio Lower Upper  
91 100  
106 29.7 21.2 39.4



#53  
m,p-Xylene  
Concen: 20.808 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion:106 Resp: 375601  
Ion Ratio Lower Upper  
106 100  
91 215.1 149.5 277.7

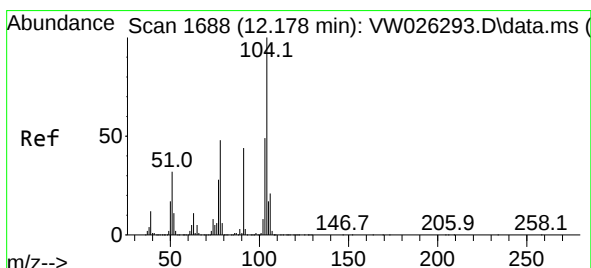
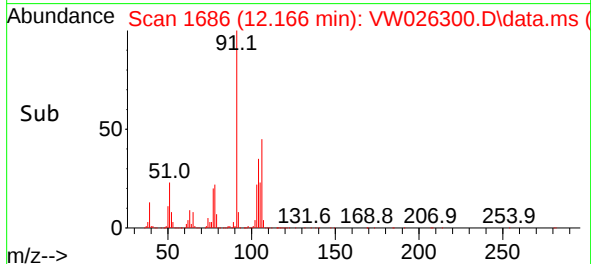
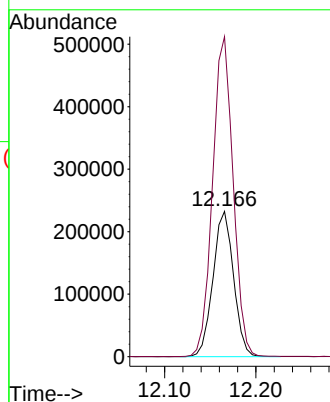
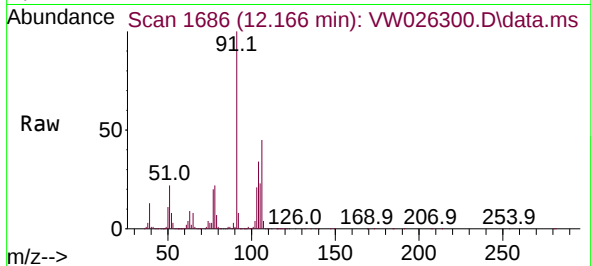




#54  
o-Xylene  
Concen: 21.332 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

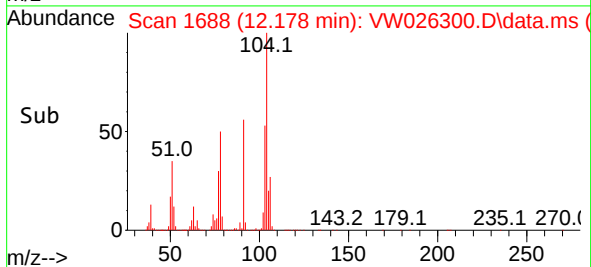
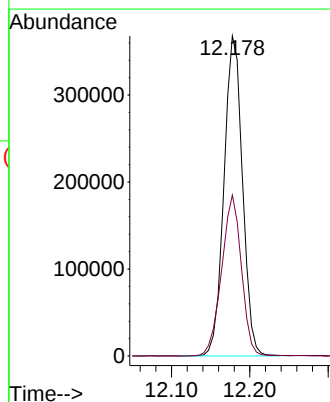
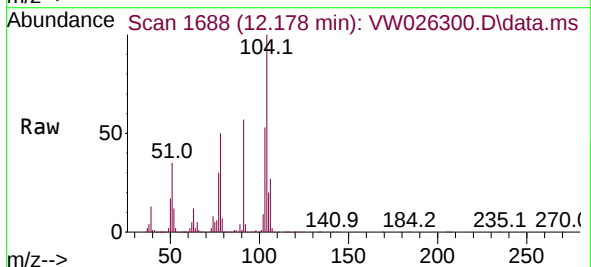
Instrument :  
MSVOA\_W  
ClientSampleId :  
YBW52MS

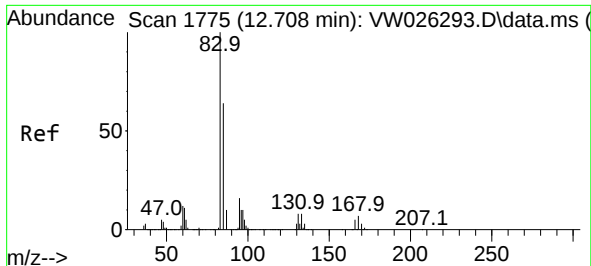
Tgt Ion:106 Resp: 363427  
Ion Ratio Lower Upper  
106 100  
91 220.2 150.9 280.3



#55  
Styrene  
Concen: 20.692 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW026300.D  
Acq: 22 Jun 2023 15:26

Tgt Ion:104 Resp: 604777  
Ion Ratio Lower Upper  
104 100  
78 50.3 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 23.661 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

YBW52MS

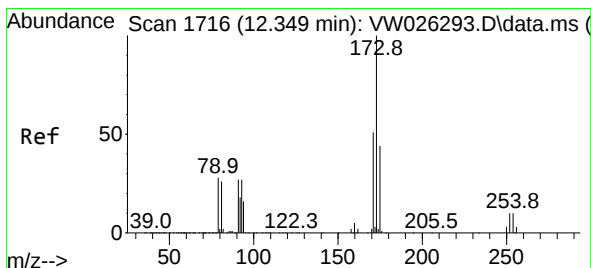
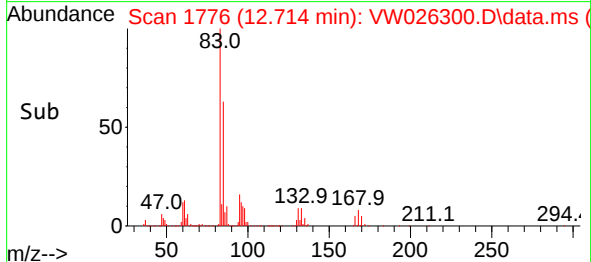
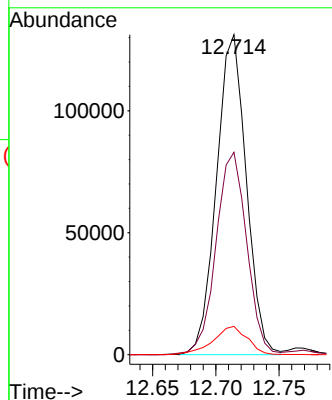
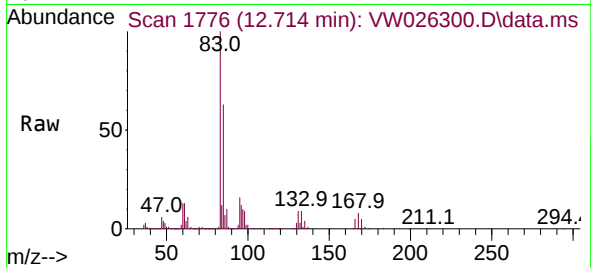
Tgt Ion: 83 Resp: 214956

Ion Ratio Lower Upper

83 100

85 63.3 42.6 79.0

131 8.9 7.2 10.8



#59

Bromoform

Concen: 25.512 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

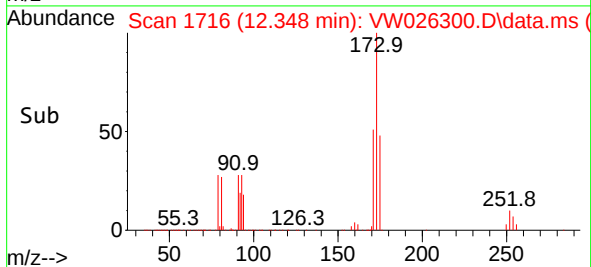
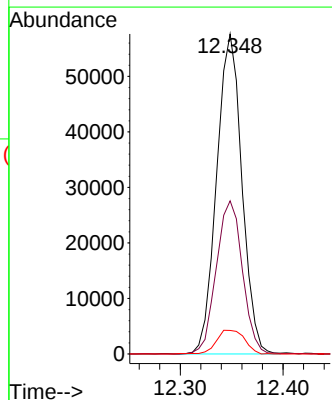
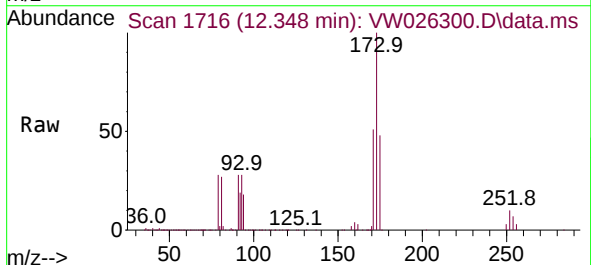
Tgt Ion:173 Resp: 98348

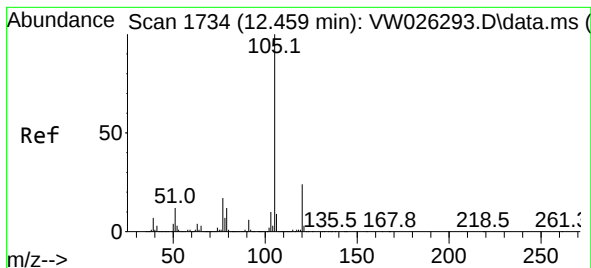
Ion Ratio Lower Upper

173 100

175 49.5 38.6 57.8

254 8.2 7.4 11.0





#60

Isopropylbenzene

Concen: 24.459 ug/L

RT: 12.464 min Scan# 1734

Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

YBW52MS

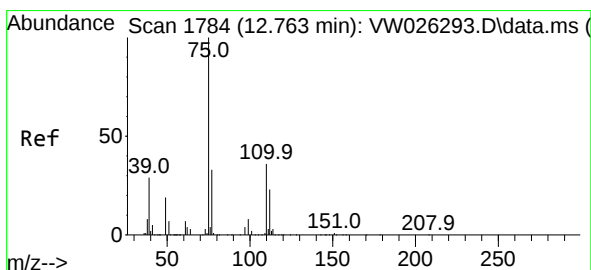
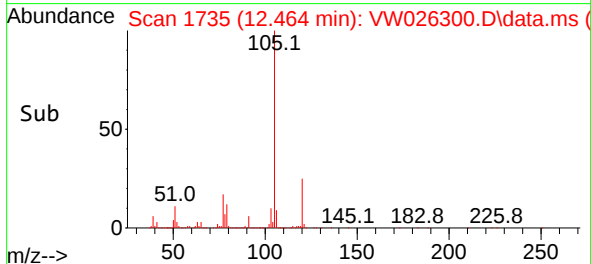
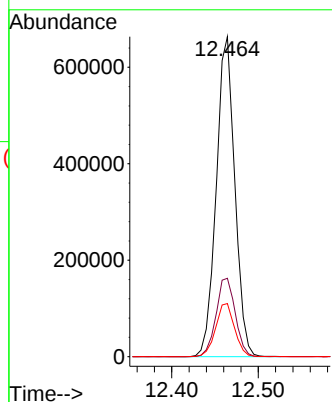
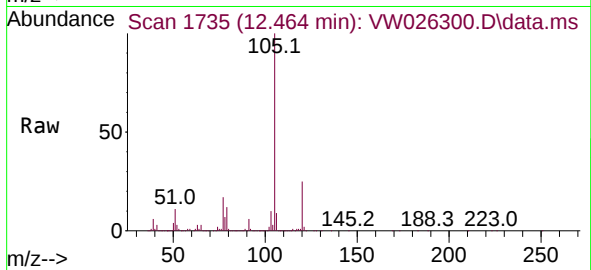
Tgt Ion:105 Resp: 986204

Ion Ratio Lower Upper

105 100

120 25.4 19.8 29.8

77 16.9 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 27.225 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

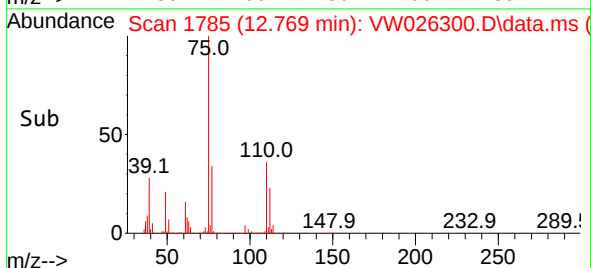
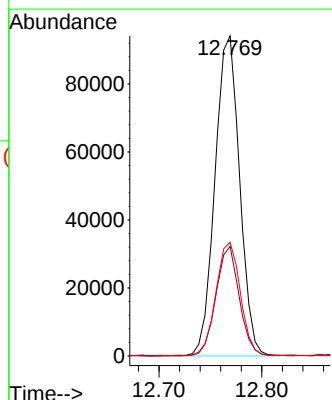
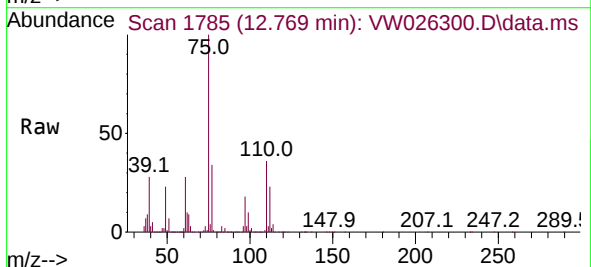
Tgt Ion: 75 Resp: 156520

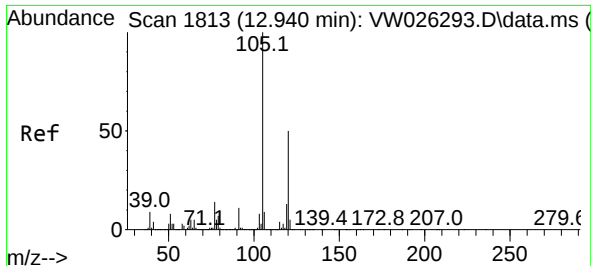
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

110 35.2 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 23.649 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

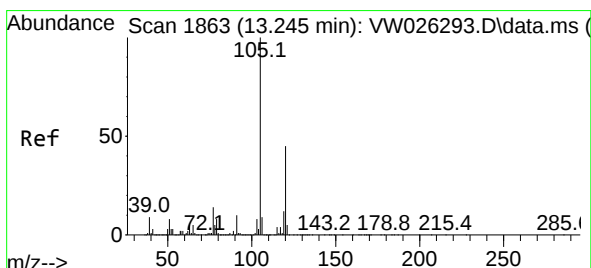
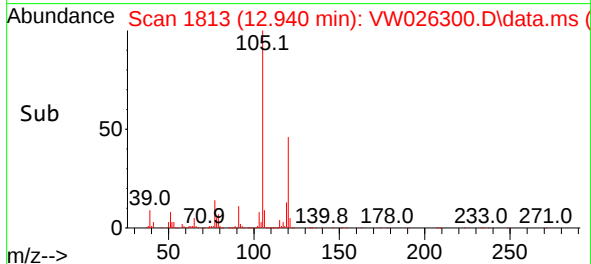
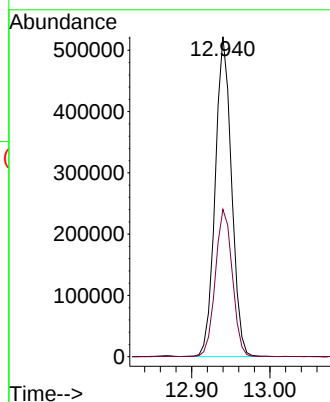
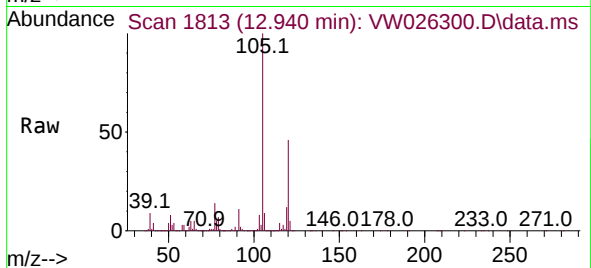
YBW52MS

Tgt Ion:105 Resp: 758015

Ion Ratio Lower Upper

105 100

120 47.8 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 23.477 ug/L

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW026300.D

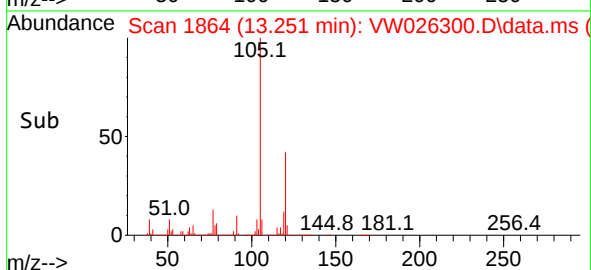
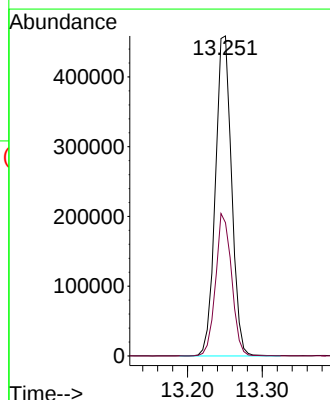
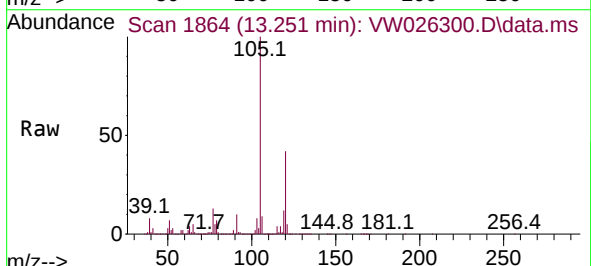
Acq: 22 Jun 2023 15:26

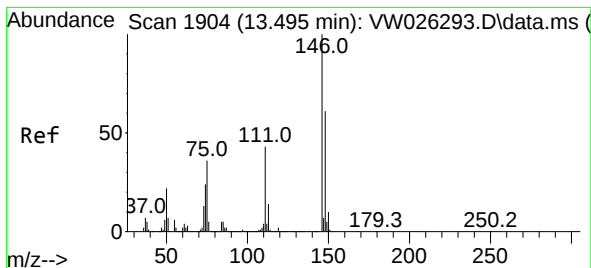
Tgt Ion:105 Resp: 689217

Ion Ratio Lower Upper

105 100

120 43.9 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 20.332 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

YBW52MS

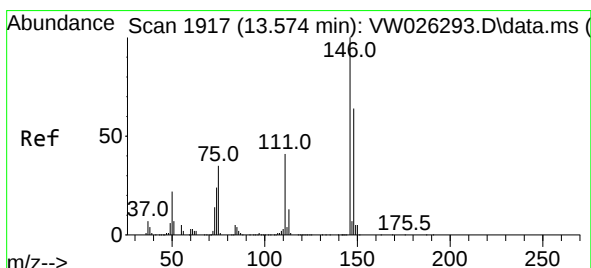
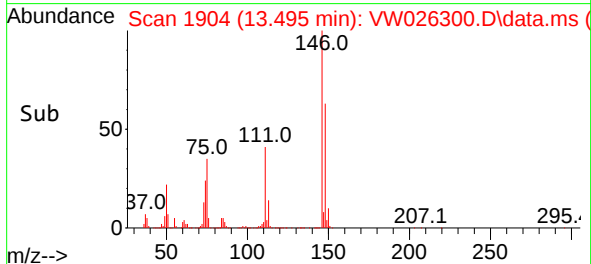
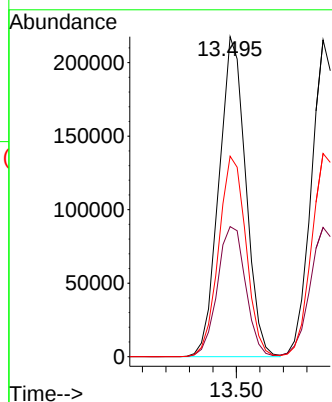
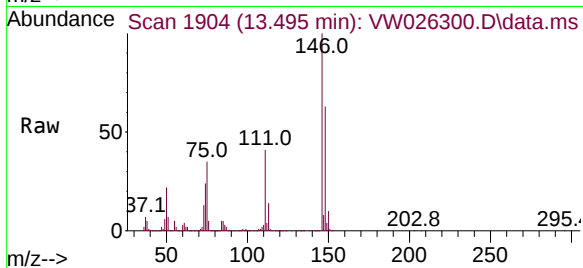
Tgt Ion:146 Resp: 344689

Ion Ratio Lower Upper

146 100

111 40.7 29.7 55.1

148 62.6 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 20.477 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

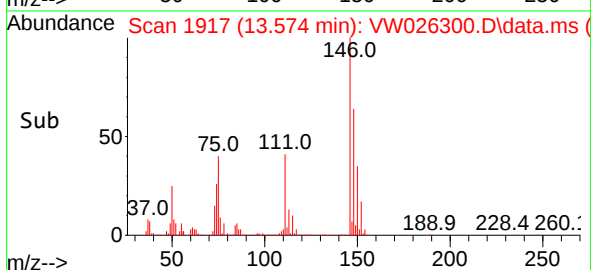
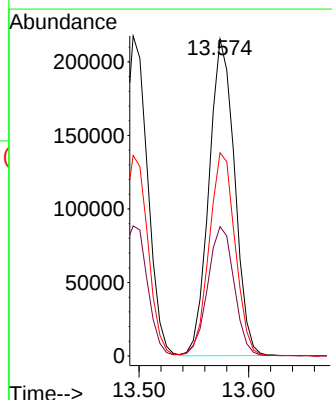
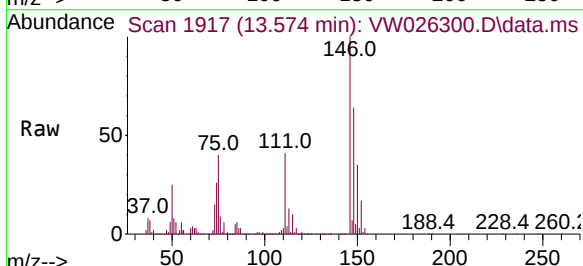
Tgt Ion:146 Resp: 349508

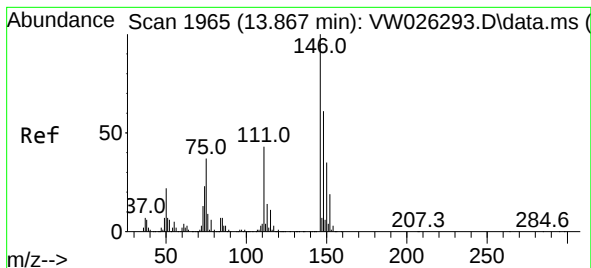
Ion Ratio Lower Upper

146 100

111 40.8 29.2 54.2

148 64.1 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 21.107 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

YBW52MS

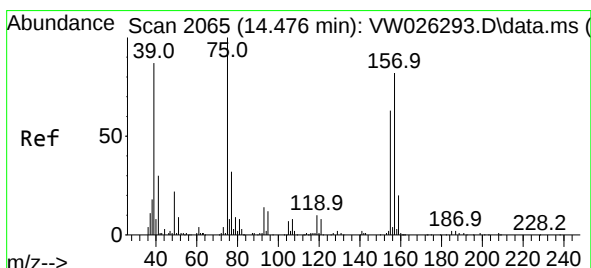
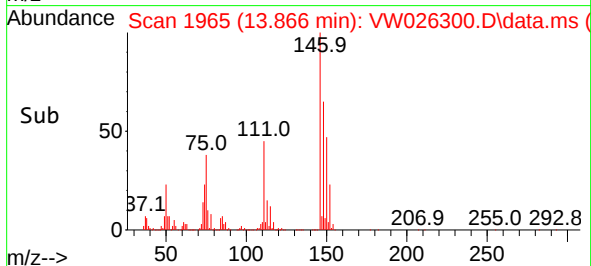
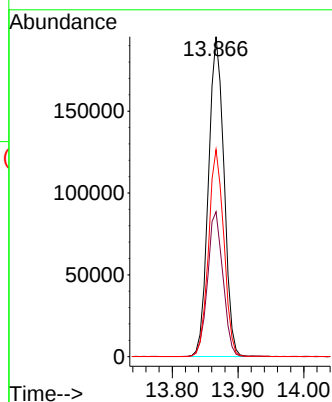
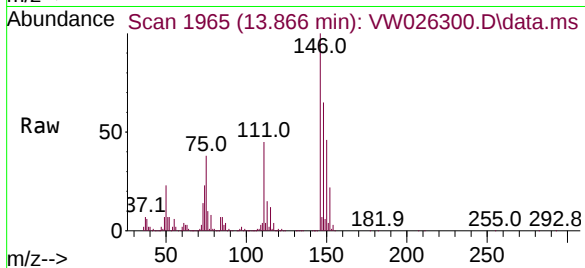
Tgt Ion:146 Resp: 321321

Ion Ratio Lower Upper

146 100

111 45.3 35.4 53.0

148 64.7 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.860 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

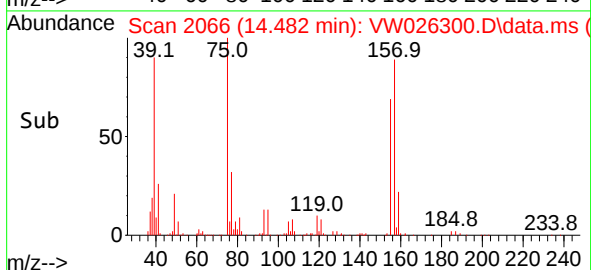
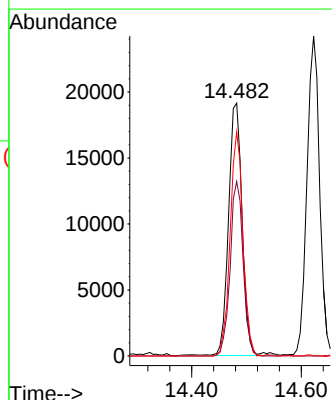
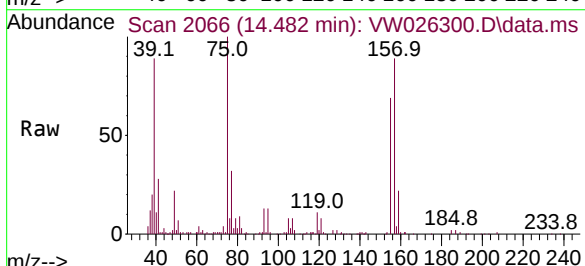
Tgt Ion: 75 Resp: 33113

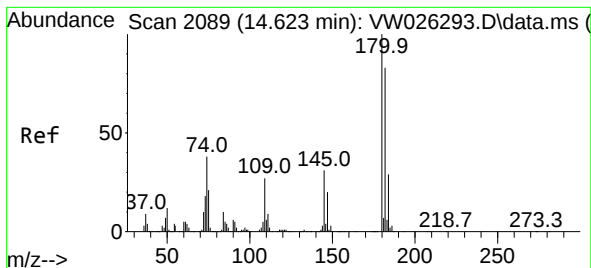
Ion Ratio Lower Upper

75 100

155 68.9 59.0 88.6

157 88.6 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 16.462 ug/L

RT: 14.622 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

YBW52MS

Tgt Ion:180 Resp: 191711

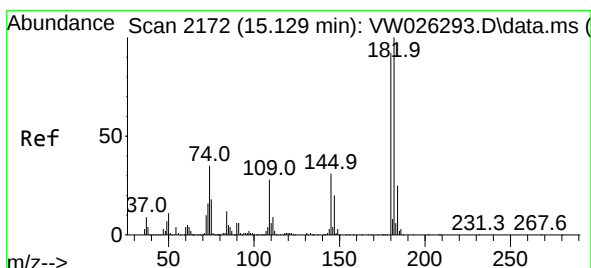
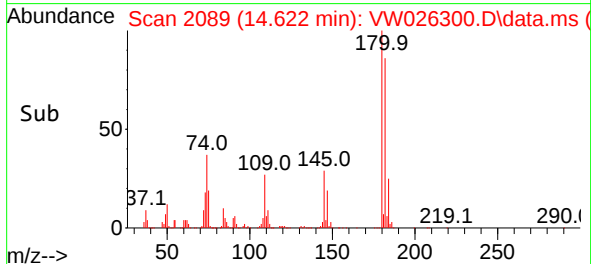
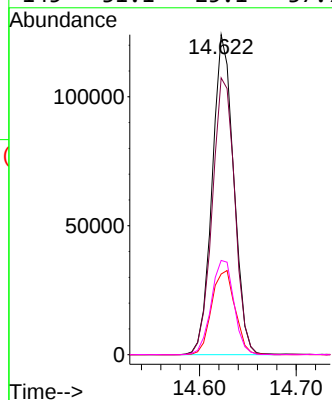
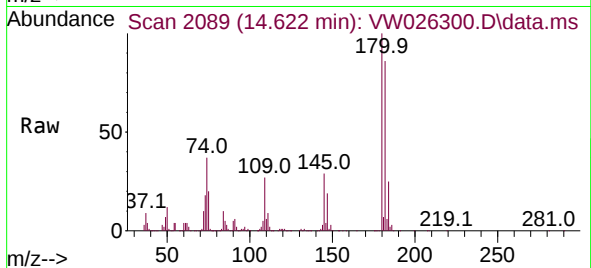
Ion Ratio Lower Upper

180 100

182 90.3 77.0 115.4

184 28.7 23.7 35.5

145 31.1 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 13.215 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

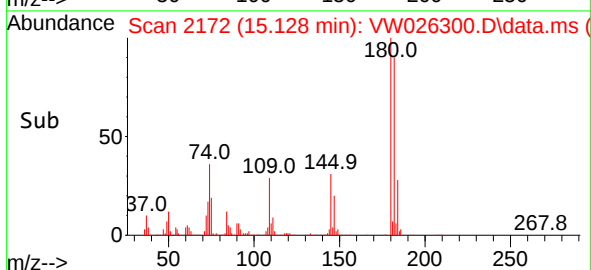
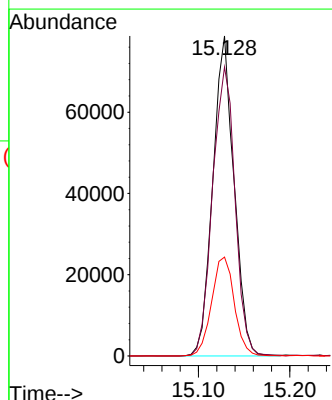
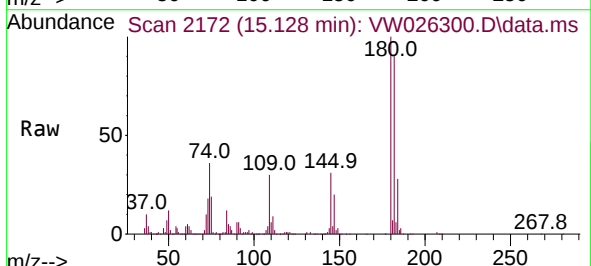
Tgt Ion:180 Resp: 126989

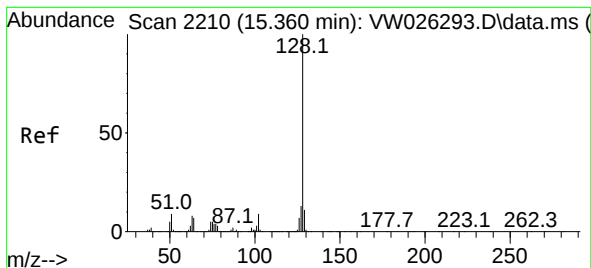
Ion Ratio Lower Upper

180 100

182 95.5 78.9 118.3

145 33.1 27.2 40.8





#71

Naphthalene

Concen: 16.226 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Instrument :

MSVOA\_W

ClientSampleId :

YBW52MS

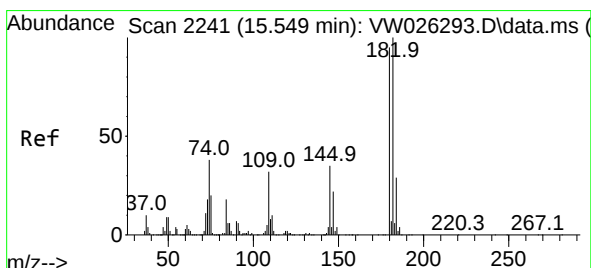
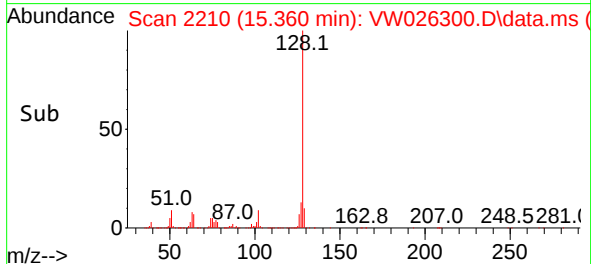
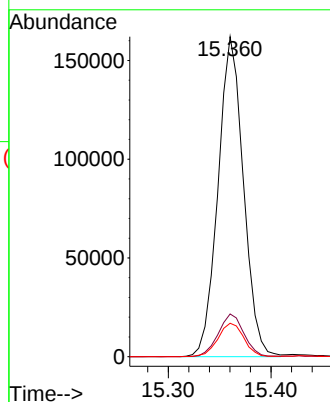
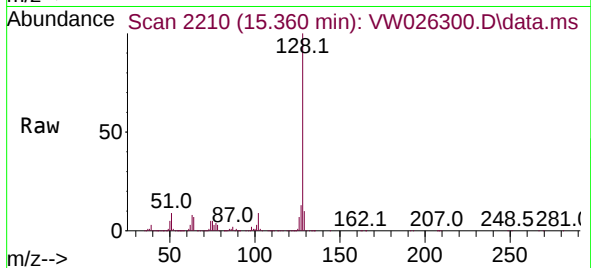
Tgt Ion:128 Resp: 277889

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 13.865 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026300.D

Acq: 22 Jun 2023 15:26

Tgt Ion:180 Resp: 116441

Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

145 33.2 27.0 40.6

